

Kuipers & Associates

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Kuipers & Associates, LLC

Date: September 2, 2010

To: Anaconda Deer Lodge County

From: Kuipers & Associates

Subject: **Ambient Air Quality Monitoring
Opportunity and Warm Springs Sites
July 2010 Monthly Report**

This July 2010 report documents the ambient air quality monitoring program conducted by Kuipers & Associates on behalf of Anaconda Deer Lodge County at the Opportunity and Warm Springs locations adjacent to the Atlantic Richfield Lower Waste Management Area (LWMA). Total Suspended Particulate (TSP) is monitored at Opportunity, and PM10 at Warm Springs. Additionally, wind speed, wind direction, temperature and relative humidity are monitored at both sites.

All data, discussion and conclusions provided in this report are preliminary and will undergo a complete quality assurance review prior to issuance of final results in quarterly and annual reports in accordance with the project Sampling and Analysis Plan. Results for the month are summarized as follows:

- Hourly average data were collected continuously by the monitors from July 1st through July 31st, with 96.2% availability for TSP at the Opportunity location and 99.9% availability for PM10 at the Warm Springs location.
 - Downtime at the Opportunity location occurred on July 16 at 15:00 MST and on July 28 at 13:00 MST for routine maintenance.
 - Downtime also occurred at the Opportunity location because the monitor was moved approximately 50 feet west to accommodate remediation activities. The Opportunity monitor was offline from July 27 at 11:00 MST through July 28 at 12:00 MST.
 - Downtime at the Warm Springs location occurred on July 16 at 13:00 MST for routine maintenance.
- The hourly average data record for the month is attached to the end of this report. Current data is available for real-time electronic download on demand, and public viewing at: <http://ka.airsis.com/vision/login.aspx?ReturnUrl=%2fvision%2fDefault.aspx> (Username = ADLC, Password = OCPA).
- Monthly and quarterly air monitoring reports from June 2007 through present are now available on the County's website at: http://anacondadeerlodge.mt.gov/super/info.aspx#q_reports.

- At the Opportunity location the maximum TSP reading for the period on a daily average basis was $81 \mu\text{g}/\text{m}^3$, and the average monthly concentration was $34 \mu\text{g}/\text{m}^3$. The maximum reading for the period on an hourly average basis was $957 \mu\text{g}/\text{m}^3$. This value was associated with light north winds, which would normally indicate that the Lower Waste Management Area (LWMA) was a contributing source. However, it is suspected that excavation and dirt-moving in an area to the north-northeast of the original Opportunity monitor location was a more important factor. The four highest daily and hourly maximum values are summarized in Table 1, and the average daily data for the month is attached together with meteorological information in Table 3.
- At the Warm Springs location the maximum PM10 reading for the period on a daily average basis was $19 \mu\text{g}/\text{m}^3$, and the average monthly concentration was $9 \mu\text{g}/\text{m}^3$. The maximum reading for the period on an hourly average basis was $93 \mu\text{g}/\text{m}^3$. This value occurred with very light south winds, and may have been associated with regional air stagnation. The four highest daily and hourly maximum values are summarized in Table 2, and the average daily data for the month is attached together with meteorological information in Table 4.

Table 1
Opportunity Site TSP Maximum Data, July 2010

Maximum	TSP ($\mu\text{g}/\text{m}^3$)	Date & Time (MST)	Wind Speed (mph)	Wind Direction (deg)
Daily 1st Max	81	7/26/2010	2.8	220
Daily 2nd Max	76	7/21/2010	2.9	327
Daily 3rd Max	59	7/12/2010	6.4	255
Daily 4th Max	58	7/9/2010	4.0	181
Hourly 1st Max	957	7/26/2010 14:00	3.6	356
Hourly 2nd Max	447	7/21/2010 12:00	4.5	18
Hourly 3rd Max	309	7/21/2010 14:00	6.5	348
Hourly 4th Max	297	7/21/2010 13:00	4.5	357

Table 2
Warm Springs Site PM10 Maximum Data, July 2010

Maximum	PM10 ($\mu\text{g}/\text{m}^3$)	Date & Time (MST)	Wind Speed (mph)	Wind Direction (deg)
Daily 1st Max	19	7/26/2010	3.0	175
Daily 2nd Max	14	7/20/2010	3.6	342
Daily 3rd Max	13	7/12/2010	8.0	261
Daily 4th Max	13	7/11/2010	2.6	177
Hourly 1st Max	93	7/20/2010 06:00	2.2	174
Hourly 2nd Max	83	7/11/2010 16:00	2.5	241
Hourly 3rd Max	45	7/16/2010 14:00	11.0	217
Hourly 4th Max	43	7/24/2010 00:00	1.1	194

- There are no Montana or Federal air quality standards for TSP; both were replaced by the current PM10 standard in 1987. Prior to 1987 the Montana annual TSP standard was 75 $\mu\text{g}/\text{m}^3$, the 24-hour standard was 200 $\mu\text{g}/\text{m}^3$ and there was no hourly standard. TSP results for July at Opportunity were well below these historical standards. Monitoring for PM10 from May 2007 through June of 2008 showed that PM10 concentrations were consistently below regulatory levels. To facilitate comparison with previously collected PM10 data, the TSP data are being reported at Local temperature and pressure conditions.
- At the Warm Springs monitoring site daily average PM10 results for the month of July were well below the 24-hour Montana Ambient Air Quality Standard of 150 $\mu\text{g}/\text{m}^3$. The average monthly concentration was below the annual PM10 standard of 50 $\mu\text{g}/\text{m}^3$. There currently is no State or Federal standard for hourly PM10 data.
- Precipitation for the month was slightly below average based on weather records for the Butte airport. The automated rain gauge at Opportunity registered 0.85 inches of precipitation during the month.
- Wind roses are attached to graphically depict prevailing winds.
 - Figure 1 shows the Opportunity location, where the predominant wind directions in July were from the southwest quadrant, from the north-northeast and from the west-northwest.
 - Figure 2 shows the Warm Springs location, where winds were mostly from the south and from the north. Winds from the northwest quadrant were also fairly common.
- If a dust storm event or nuisance dust in general is observed, please contact us so that we may respond, and try to quantify and document the problem. We are available seven days per week 24 hours per day and ask that you contact the following (in order) until someone is notified.

Dust Event Contacts:

Steve Heck	498-4199
Virginia Loran	563-7476, then 691-0015
Jim Kuipers	782-3441, then 459-0445

Table 3
Opportunity Site Daily Average Data

Date	TSP Daily ($\mu\text{g}/\text{m}^3$)	Wind Speed Daily (meters per second)	Wind Speed Daily (miles per hour)	Wind Direction Daily (degrees true)	Air Temperature Daily (Celsius)	Air Temperature Daily (Fahrenheit)	Relative Humidity Daily (percent)	Precipitation Total (inches)
July 1, 2010	27	2.1	4.6	41	16.8	62.3	61	0.00
July 2, 2010	30	2.9	6.6	11	12.5	54.4	64	0.06
July 3, 2010	9	1.9	4.4	307	10.6	51.0	62	0.14
July 4, 2010	24	2.3	5.1	264	12.4	54.2	52	0.00
July 5, 2010	20	2.6	5.8	326	10.9	51.6	56	0.00
July 6, 2010	16	1.4	3.2	325	9.9	49.9	62	0.00
July 7, 2010	17	1.2	2.8	289	13.6	56.5	51	0.00
July 8, 2010	24	1.3	3.0	195	16.8	62.2	46	0.00
July 9, 2010	58	1.8	4.0	181	19.8	67.6	42	0.00
July 10, 2010	43	2.2	4.9	208	16.9	62.3	56	0.14
July 11, 2010	25	1.3	3.0	232	17.8	64.1	56	0.00
July 12, 2010	59	2.9	6.4	255	19.2	66.6	39	0.00
July 13, 2010	42	3.2	7.3	284	13.4	56.1	34	0.00
July 14, 2010	30	1.8	3.9	323	14.0	57.3	47	0.00
July 15, 2010	29	1.5	3.3	214	18.0	64.4	46	0.00
July 16, 2010	54	2.2	4.8	231	21.7	71.0	34	0.00
July 17, 2010	25	1.6	3.7	341	19.2	66.5	42	0.00
July 18, 2010	28	2.0	4.5	11	18.2	64.7	42	0.01
July 19, 2010	33	1.9	4.4	36	16.1	61.0	43	0.00
July 20, 2010	43	2.0	4.5	10	16.1	61.1	51	0.00
July 21, 2010	76	1.3	2.9	327	14.7	58.5	64	0.06
July 22, 2010	32	1.6	3.7	239	16.9	62.4	51	0.00
July 23, 2010	34	2.1	4.8	321	16.9	62.3	46	0.00
July 24, 2010	19	1.6	3.6	9	17.1	62.8	52	0.00
July 25, 2010	24	1.6	3.6	356	20.1	68.1	40	0.00
July 26, 2010	81	1.2	2.8	220	18.6	65.5	48	0.10
July 27, 2010	35	1.2	2.6	276	13.7	56.7	86	0.13
July 28, 2010	45	1.7	3.7	322	21.4	70.5	51	0.02
July 29, 2010	26	2.0	4.5	260	20.3	68.5	44	0.00
July 30, 2010	24	1.6	3.6	229	19.3	66.8	44	0.00
July 31, 2010	26	1.6	3.5	173	18.3	65.0	58	0.19

Table 4
Warm Springs Site Daily Average Data

Date	PM10 Daily ($\mu\text{g}/\text{m}^3$)	Wind Speed Daily (meters per second)	Wind Speed Daily (miles per hour)	Wind Direction Daily (degrees true)	Air Temperature Daily (Celsius)	Air Temperature Daily (Fahrenheit)	Relative Humidity Daily (percent)
July 1, 2010	9	1.4	3.1	35	17.6	63.6	61
July 2, 2010	7	1.6	3.6	26	13.5	56.2	64
July 3, 2010	4	1.6	3.6	268	11.6	52.9	62
July 4, 2010	3	2.3	5.2	249	13.2	55.7	54
July 5, 2010	6	1.9	4.2	298	11.4	52.5	60
July 6, 2010	4	1.4	3.0	311	10.8	51.5	65
July 7, 2010	7	1.4	3.1	245	14.5	58.1	54
July 8, 2010	7	1.3	3.0	167	17.3	63.2	48
July 9, 2010	10	2.0	4.5	176	20.8	69.5	43
July 10, 2010	11	2.3	5.2	186	17.6	63.6	58
July 11, 2010	13	1.2	2.6	177	18.1	64.6	60
July 12, 2010	13	3.6	8.0	261	20.0	68.1	40
July 13, 2010	10	4.1	9.2	293	14.1	57.4	36
July 14, 2010	6	1.7	3.8	259	14.4	57.9	50
July 15, 2010	8	1.5	3.3	173	18.6	65.4	49
July 16, 2010	11	2.4	5.4	217	21.9	71.4	37
July 17, 2010	7	1.4	3.2	335	19.6	67.3	41
July 18, 2010	8	1.4	3.2	355	18.8	65.8	59
July 19, 2010	9	1.2	2.7	30	17.1	62.7	NO DATA
July 20, 2010	14	1.6	3.6	342	16.9	62.4	NO DATA
July 21, 2010	10	1.3	2.8	306	15.1	59.1	NO DATA
July 22, 2010	11	1.9	4.2	219	17.5	63.5	NO DATA
July 23, 2010	12	1.6	3.6	293	17.0	62.6	NO DATA
July 24, 2010	8	1.4	3.1	344	17.6	63.7	NO DATA
July 25, 2010	9	1.3	3.0	71	20.3	68.6	NO DATA
July 26, 2010	19	1.4	3.0	175	18.7	65.7	NO DATA
July 27, 2010	9	1.1	2.4	341	15.4	59.8	NO DATA
July 28, 2010	9	1.6	3.5	203	18.9	66.1	NO DATA
July 29, 2010	7	2.1	4.6	280	19.4	66.9	NO DATA
July 30, 2010	11	1.2	2.7	168	19.4	67.0	NO DATA
July 31, 2010	10	1.5	3.3	180	18.7	65.6	NO DATA

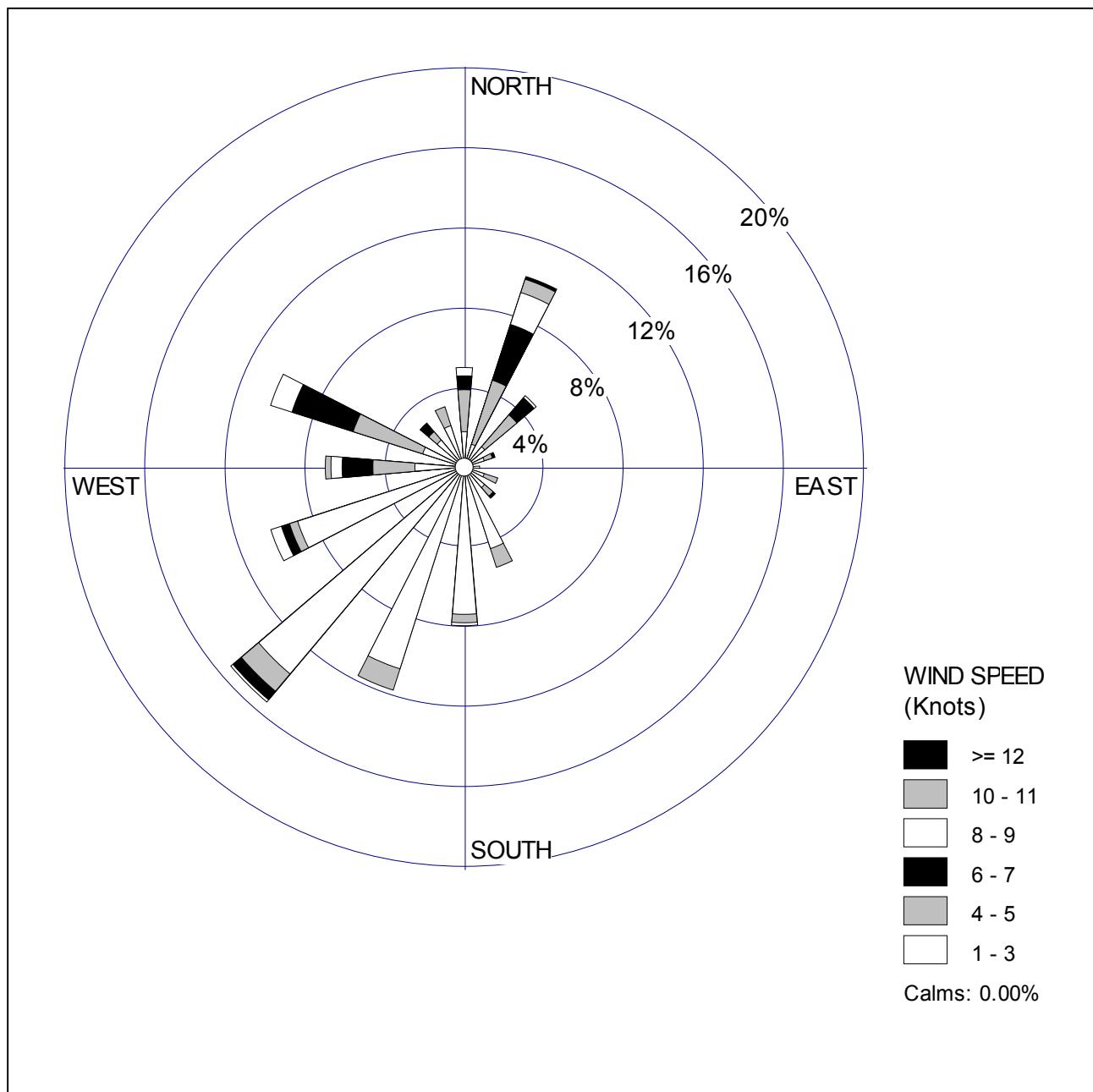


Figure 1. Wind Rose (percent of time blowing from indicated direction) for Opportunity EBAM Site July 2010.

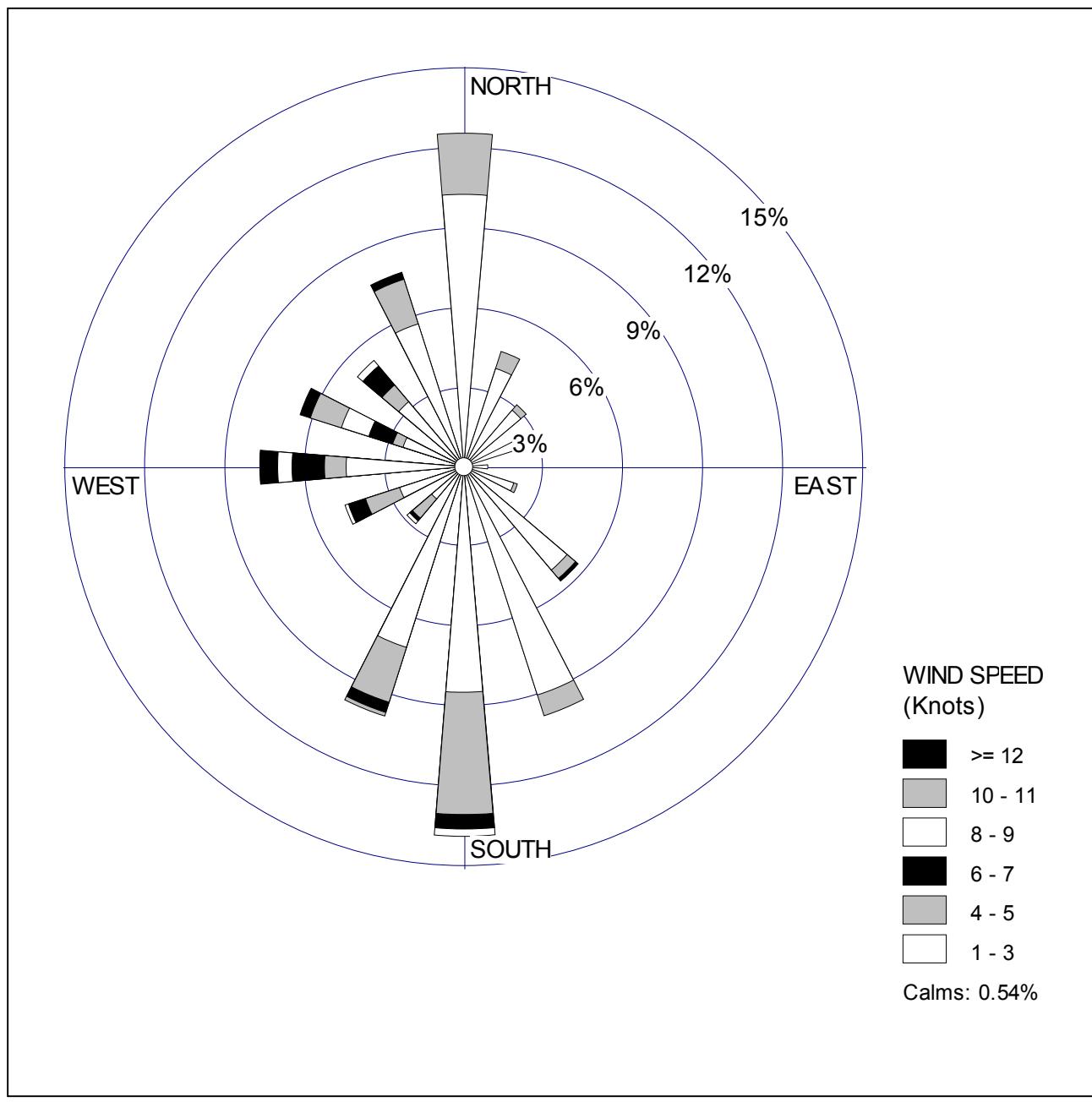


Figure 2. Wind Rose (percent of time blowing from indicated direction) for Warm Springs EBAM Site July 2010.

Table 5
Opportunity Site Hourly Average Data
Met One E-BAM
July 2010

Date & Time Mountain Standard Time (data for hour ending)	TSP Hourly (µg/m3)	Wind Speed Hourly (meters per second)	Wind Speed Hourly (miles per hour)	Wind Direction Hourly (degrees true)	Air Temperature Hourly (Celsius)	Air Temperature Hourly (Fahrenheit)	Relative Humidity Hourly (percent)	Precipitation Hourly (inches)
7/1/2010 1:00	6	0.9	2.0	237	9.1	48.4	86	0.00
7/1/2010 2:00	-5	0.8	1.8	214	7.4	45.3	89	0.00
7/1/2010 3:00	16	0.8	1.8	211	6.8	44.2	90	0.00
7/1/2010 4:00	11	1.0	2.2	247	6.3	43.3	89	0.00
7/1/2010 5:00	42	0.6	1.3	223	5.6	42.1	90	0.00
7/1/2010 6:00	14	0.8	1.8	210	6.8	44.2	86	0.00
7/1/2010 7:00	20	1.2	2.7	170	11.0	51.8	73	0.00
7/1/2010 8:00	19	1.2	2.7	171	14.9	58.8	64	0.00
7/1/2010 9:00	21	1.0	2.2	194	17.8	64.0	56	0.00
7/1/2010 10:00	20	1.4	3.1	12	19.0	66.2	54	0.00
7/1/2010 11:00	26	1.3	2.9	355	21.2	70.2	49	0.00
7/1/2010 12:00	27	1.3	2.9	113	23.3	73.9	45	0.00
7/1/2010 13:00	25	2.6	5.8	127	24.1	75.4	45	0.00
7/1/2010 14:00	47	2.2	4.9	156	22.6	72.7	55	0.00
7/1/2010 15:00	34	2.7	6.0	111	25.7	78.3	39	0.00
7/1/2010 16:00	47	4.0	8.9	25	25.1	77.2	44	0.00
7/1/2010 17:00	34	4.8	10.7	20	25.0	77.0	42	0.00
7/1/2010 18:00	34	4.5	10.1	20	24.2	75.6	42	0.00
7/1/2010 19:00	43	4.7	10.5	18	23.0	73.4	43	0.00
7/1/2010 20:00	36	3.3	7.4	31	20.6	69.1	48	0.00
7/1/2010 21:00	36	3.0	6.7	43	19.0	66.2	50	0.00
7/1/2010 22:00	35	2.8	6.3	34	17.5	63.5	52	0.00
7/1/2010 23:00	30	1.4	3.1	353	15.3	59.5	58	0.00
7/2/2010 0:00	39	1.4	3.1	251	12.6	54.7	68	0.00
7/2/2010 1:00	26	1.3	2.9	248	10.7	51.3	73	0.00
7/2/2010 2:00	21	0.7	1.6	157	8.5	47.3	82	0.00
7/2/2010 3:00	7	0.8	1.8	250	6.9	44.4	87	0.00
7/2/2010 4:00	16	0.9	2.0	234	6.2	43.2	88	0.00
7/2/2010 5:00	23	0.8	1.8	226	5.9	42.6	87	0.00
7/2/2010 6:00	28	0.6	1.3	247	6.1	43.0	84	0.00
7/2/2010 7:00	37	1.2	2.7	177	11.4	52.5	69	0.00
7/2/2010 8:00	96	3.0	6.7	304	14.7	58.5	61	0.00
7/2/2010 9:00	62	5.0	11.2	23	14.4	57.9	56	0.00
7/2/2010 10:00	41	4.4	9.8	25	14.8	58.6	53	0.00
7/2/2010 11:00	27	4.1	9.2	12	15.6	60.1	53	0.00
7/2/2010 12:00	22	4.0	8.9	18	14.6	58.3	57	0.00
7/2/2010 13:00	22	4.7	10.5	25	15.1	59.2	58	0.00
7/2/2010 14:00	43	5.4	12.1	22	17.5	63.5	50	0.00
7/2/2010 15:00	46	5.5	12.3	25	17.8	64.0	47	0.00
7/2/2010 16:00	31	4.4	9.8	39	17.8	64.0	45	0.00
7/2/2010 17:00	33	5.5	12.3	20	17.3	63.1	43	0.00
7/2/2010 18:00	64	5.5	12.3	30	16.0	60.8	45	0.00
7/2/2010 19:00	31	4.7	10.5	17	14.5	58.1	49	0.00
7/2/2010 20:00	11	2.4	5.4	294	13.0	55.4	59	0.00
7/2/2010 21:00	9	1.9	4.3	306	12.1	53.8	60	0.00
7/2/2010 22:00	14	1.6	3.6	312	9.8	49.6	74	0.02
7/2/2010 23:00	4	1.4	3.1	343	9.6	49.3	74	0.00
7/3/2010 0:00	1	0.9	2.0	2	8.7	47.7	80	0.04
7/3/2010 1:00	6	1.0	2.2	300	8.1	46.6	80	0.06
7/3/2010 2:00	-4	1.7	3.8	284	7.3	45.1	81	0.06
7/3/2010 3:00	-5	0.7	1.6	190	6.5	43.7	86	0.01
7/3/2010 4:00	13	0.9	2.0	183	6.5	43.7	87	0.01
7/3/2010 5:00	-5	1.2	2.7	226	6.6	43.9	83	0.00
7/3/2010 6:00	-5	1.0	2.2	151	6.7	44.1	83	0.00
7/3/2010 7:00	19	1.0	2.2	179	7.6	45.7	79	0.00
7/3/2010 8:00	0	1.4	3.1	202	9.0	48.2	70	0.00
7/3/2010 9:00	20	2.4	5.4	264	11.0	51.8	58	0.00
7/3/2010 10:00	3	2.6	5.8	290	10.4	50.7	61	0.00
7/3/2010 11:00	13	3.3	7.4	284	12.2	54.0	54	0.00
7/3/2010 12:00	3	2.4	5.4	319	13.4	56.1	50	0.00
7/3/2010 13:00	9	2.4	5.4	294	14.2	57.6	45	0.00
7/3/2010 14:00	-1	2.7	6.0	278	14.3	57.7	43	0.00
7/3/2010 15:00	12	2.5	5.6	290	15.2	59.4	40	0.00
7/3/2010 16:00	22	2.6	5.8	303	16.3	61.3	37	0.00
7/3/2010 17:00	14	2.6	5.8	345	15.3	59.5	41	0.00
7/3/2010 18:00	11	2.8	6.3	18	14.9	58.8	42	0.00
7/3/2010 19:00	11	3.4	7.6	34	14.6	58.3	43	0.00
7/3/2010 20:00	17	3.2	7.2	36	13.6	56.5	44	0.00
7/3/2010 21:00	10	2.2	4.9	15	11.3	52.3	53	0.00
7/3/2010 22:00	18	1.0	2.2	333	9.0	48.2	62	0.00
7/3/2010 23:00	6	0.9	2.0	243	6.0	42.8	74	0.00
7/4/2010 0:00	21	0.8	1.8	177	3.5	38.3	84	0.00
7/4/2010 1:00	24	0.8	1.8	216	2.8	37.0	84	0.00
7/4/2010 2:00	-5	0.9	2.0	197	2.3	36.1	85	0.00
7/4/2010 3:00	14	1.0	2.2	186	2.9	37.2	84	0.00
7/4/2010 4:00	-3	1.2	2.7	194	2.1	35.8	84	0.00

Date & Time Mountain Standard Time (data for hour ending)	TSP Hourly (µg/m3)	Wind Speed Hourly (meters per second)	Wind Speed Hourly (miles per hour)	Wind Direction Hourly (degrees true)	Air Temperature Hourly (Celsius)	Air Temperature Hourly (Fahrenheit)	Relative Humidity Hourly (percent)	Precipitation Hourly (inches)
7/4/2010 5:00	0	1.3	2.9	179	2.3	36.1	84	0.00
7/4/2010 6:00	8	1.0	2.2	206	3.3	37.9	76	0.00
7/4/2010 7:00	1	1.3	2.9	183	6.9	44.4	66	0.00
7/4/2010 8:00	11	1.6	3.6	173	10.6	51.1	56	0.00
7/4/2010 9:00	16	1.6	3.6	185	13.2	55.8	46	0.00
7/4/2010 10:00	7	2.2	4.9	228	14.5	58.1	42	0.00
7/4/2010 11:00	21	2.0	4.5	194	16.3	61.3	39	0.00
7/4/2010 12:00	34	2.4	5.4	233	17.8	64.0	37	0.00
7/4/2010 13:00	42	1.5	3.4	203	18.5	65.3	35	0.00
7/4/2010 14:00	45	1.4	3.1	37	19.8	67.6	32	0.00
7/4/2010 15:00	58	2.6	5.8	298	20.7	69.3	27	0.00
7/4/2010 16:00	53	3.5	7.8	292	20.3	68.5	26	0.00
7/4/2010 17:00	60	4.0	8.9	294	18.8	65.8	29	0.00
7/4/2010 18:00	42	4.1	9.2	292	18.4	65.1	32	0.00
7/4/2010 19:00	45	3.9	8.7	294	17.4	63.3	34	0.00
7/4/2010 20:00	24	3.3	7.4	292	16.3	61.3	36	0.00
7/4/2010 21:00	25	2.9	6.5	290	15.0	59.0	40	0.00
7/4/2010 22:00	35	3.5	7.8	286	13.1	55.6	52	0.00
7/4/2010 23:00	10	3.3	7.4	287	11.5	52.7	57	0.00
7/5/2010 0:00	18	3.3	7.4	273	11.6	52.9	60	0.00
7/5/2010 1:00	29	2.6	5.8	285	11.2	52.2	57	0.00
7/5/2010 2:00	20	2.6	5.8	293	10.9	51.6	57	0.00
7/5/2010 3:00	19	2.5	5.6	290	10.6	51.1	57	0.00
7/5/2010 4:00	-2	2.6	5.8	334	8.4	47.1	72	0.00
7/5/2010 5:00	3	1.1	2.5	346	7.9	46.2	73	0.00
7/5/2010 6:00	23	1.0	2.2	198	7.4	45.3	77	0.00
7/5/2010 7:00	16	0.7	1.6	96	7.8	46.0	78	0.00
7/5/2010 8:00	5	1.2	2.7	134	9.9	49.8	69	0.00
7/5/2010 9:00	17	3.5	7.8	278	11.6	52.9	48	0.00
7/5/2010 10:00	17	3.3	7.4	298	13.2	55.8	43	0.00
7/5/2010 11:00	13	3.4	7.6	299	14.1	57.4	37	0.00
7/5/2010 12:00	29	3.4	7.6	306	14.9	58.8	36	0.00
7/5/2010 13:00	13	3.6	8.1	295	15.2	59.4	36	0.00
7/5/2010 14:00	20	2.8	6.3	322	14.8	58.6	39	0.00
7/5/2010 15:00	20	3.3	7.4	322	14.5	58.1	39	0.00
7/5/2010 16:00	11	2.4	5.4	346	14.2	57.6	41	0.00
7/5/2010 17:00	5	2.8	6.3	322	14.7	58.5	40	0.00
7/5/2010 18:00	12	3.1	6.9	24	14.3	57.7	41	0.00
7/5/2010 19:00	34	4.7	10.5	28	13.0	55.4	49	0.00
7/5/2010 20:00	156	6.0	13.4	32	10.9	51.6	58	0.00
7/5/2010 21:00	14	3.0	6.7	32	8.6	47.5	65	0.00
7/5/2010 22:00	0	1.0	2.2	276	6.7	44.1	72	0.00
7/5/2010 23:00	-5	0.8	1.8	240	3.9	39.0	82	0.00
7/6/2010 0:00	20	1.1	2.5	228	2.9	37.2	84	0.00
7/6/2010 1:00	-5	0.8	1.8	204	1.4	34.5	87	0.00
7/6/2010 2:00	1	0.8	1.8	223	1.4	34.5	88	0.00
7/6/2010 3:00	33	0.7	1.6	196	1.6	34.9	88	0.00
7/6/2010 4:00	-5	0.8	1.8	212	1.3	34.3	89	0.00
7/6/2010 5:00	3	0.8	1.8	208	1.0	33.8	89	0.00
7/6/2010 6:00	5	0.8	1.8	266	1.2	34.2	89	0.00
7/6/2010 7:00	123	0.7	1.6	283	4.4	39.9	82	0.00
7/6/2010 8:00	25	0.8	1.8	246	7.8	46.0	70	0.00
7/6/2010 9:00	17	1.1	2.5	119	11.6	52.9	55	0.00
7/6/2010 10:00	4	1.2	2.7	135	12.6	54.7	49	0.00
7/6/2010 11:00	7	1.6	3.6	48	14.1	57.4	45	0.00
7/6/2010 12:00	11	2.3	5.1	15	15.1	59.2	43	0.00
7/6/2010 13:00	24	2.5	5.6	327	15.8	60.4	43	0.00
7/6/2010 14:00	10	3.1	6.9	284	15.6	60.1	47	0.00
7/6/2010 15:00	3	1.6	3.6	304	16.7	62.1	37	0.00
7/6/2010 16:00	15	2.6	5.8	2	17.5	63.5	37	0.00
7/6/2010 17:00	13	2.6	5.8	30	17.4	63.3	39	0.00
7/6/2010 18:00	4	2.5	5.6	12	17.7	63.9	37	0.00
7/6/2010 19:00	10	2.2	4.9	359	16.6	61.9	40	0.00
7/6/2010 20:00	10	1.3	2.9	342	14.2	57.6	50	0.00
7/6/2010 21:00	27	1.0	2.2	222	11.5	52.7	63	0.00
7/6/2010 22:00	34	0.9	2.0	251	9.4	48.9	71	0.00
7/6/2010 23:00	10	1.0	2.2	233	7.9	46.2	75	0.00
7/7/2010 0:00	11	0.6	1.3	232	4.9	40.8	84	0.00
7/7/2010 1:00	17	0.6	1.3	234	3.8	38.8	86	0.00
7/7/2010 2:00	-1	0.8	1.8	222	3.1	37.6	87	0.00
7/7/2010 3:00	6	0.8	1.8	216	3.4	38.1	86	0.00
7/7/2010 4:00	31	0.8	1.8	193	2.6	36.7	86	0.00
7/7/2010 5:00	10	0.8	1.8	230	1.6	34.9	89	0.00
7/7/2010 6:00	38	0.7	1.6	206	2.3	36.1	84	0.00
7/7/2010 7:00	10	0.8	1.8	177	7.2	45.0	70	0.00
7/7/2010 8:00	14	1.1	2.5	206	11.1	52.0	61	0.00
7/7/2010 9:00	16	1.0	2.2	218	14.0	57.2	53	0.00
7/7/2010 10:00	24	1.1	2.5	118	16.5	61.7	42	0.00
7/7/2010 11:00	5	1.3	2.9	321	18.2	64.8	37	0.00
7/7/2010 12:00	11	1.6	3.6	283	19.3	66.7	30	0.00
7/7/2010 13:00	14	1.3	2.9	303	20.8	69.4	25	0.00

Date & Time Mountain Standard Time (data for hour ending)	TSP Hourly (µg/m3)	Wind Speed Hourly (meters per second)	Wind Speed Hourly (miles per hour)	Wind Direction Hourly (degrees true)	Air Temperature Hourly (Celsius)	Air Temperature Hourly (Fahrenheit)	Relative Humidity Hourly (percent)	Precipitation Hourly (inches)
7/7/2010 14:00	16	1.4	3.1	266	22.0	71.6	22	0.00
7/7/2010 15:00	20	1.6	3.6	24	22.7	72.9	19	0.00
7/7/2010 16:00	9	1.4	3.1	123	23.7	74.7	15	0.00
7/7/2010 17:00	12	1.7	3.8	11	23.6	74.5	18	0.00
7/7/2010 18:00	15	2.5	5.6	12	22.7	72.9	24	0.00
7/7/2010 19:00	17	2.6	5.8	359	21.7	71.1	28	0.00
7/7/2010 20:00	17	1.9	4.3	355	19.8	67.6	36	0.00
7/7/2010 21:00	37	1.0	2.2	193	16.1	61.0	46	0.00
7/7/2010 22:00	42	1.0	2.2	228	13.8	56.8	46	0.00
7/7/2010 23:00	28	1.0	2.2	274	9.5	49.1	63	0.00
7/8/2010 0:00	1	0.8	1.8	234	6.9	44.4	75	0.00
7/8/2010 1:00	19	0.6	1.3	225	5.4	41.7	80	0.00
7/8/2010 2:00	7	1.1	2.5	209	6.1	43.0	74	0.00
7/8/2010 3:00	-5	1.0	2.2	237	5.2	41.4	75	0.00
7/8/2010 4:00	22	0.9	2.0	225	4.6	40.3	77	0.00
7/8/2010 5:00	9	0.9	2.0	197	3.9	39.0	78	0.00
7/8/2010 6:00	60	0.9	2.0	217	5.3	41.5	71	0.00
7/8/2010 7:00	15	0.8	1.8	200	9.6	49.3	58	0.00
7/8/2010 8:00	20	1.2	2.7	194	14.1	57.4	48	0.00
7/8/2010 9:00	23	1.8	4.0	163	18.1	64.6	39	0.00
7/8/2010 10:00	13	2.2	4.9	143	21.3	70.3	31	0.00
7/8/2010 11:00	13	2.1	4.7	144	23.2	73.8	23	0.00
7/8/2010 12:00	7	1.2	2.7	172	24.3	75.7	19	0.00
7/8/2010 13:00	8	1.3	2.9	75	25.0	77.0	19	0.00
7/8/2010 14:00	17	1.2	2.7	67	25.9	78.6	20	0.00
7/8/2010 15:00	25	1.4	3.1	173	26.8	80.2	18	0.00
7/8/2010 16:00	43	1.4	3.1	197	27.0	80.6	19	0.00
7/8/2010 17:00	21	1.0	2.2	316	27.4	81.3	18	0.00
7/8/2010 18:00	48	2.3	5.1	9	26.7	80.1	21	0.00
7/8/2010 19:00	20	2.6	5.8	3	25.2	77.4	23	0.00
7/8/2010 20:00	23	1.4	3.1	350	22.9	73.2	32	0.00
7/8/2010 21:00	55	1.0	2.2	233	18.5	65.3	49	0.00
7/8/2010 22:00	38	1.3	2.9	239	14.0	57.2	62	0.00
7/8/2010 23:00	42	1.2	2.7	232	12.2	54.0	64	0.00
7/9/2010 0:00	26	1.0	2.2	239	9.4	48.9	74	0.00
7/9/2010 1:00	8	0.6	1.3	225	7.9	46.2	79	0.00
7/9/2010 2:00	29	0.9	2.0	228	7.8	46.0	77	0.00
7/9/2010 3:00	-5	1.0	2.2	234	7.1	44.8	77	0.00
7/9/2010 4:00	31	1.0	2.2	230	6.9	44.4	76	0.00
7/9/2010 5:00	24	1.1	2.5	218	7.6	45.7	71	0.00
7/9/2010 6:00	43	1.2	2.7	208	9.4	48.9	63	0.00
7/9/2010 7:00	27	1.5	3.4	213	12.6	54.7	55	0.00
7/9/2010 8:00	45	2.0	4.5	199	16.0	60.8	45	0.00
7/9/2010 9:00	98	1.9	4.3	186	19.9	67.8	39	0.00
7/9/2010 10:00	28	2.5	5.6	152	24.0	75.2	31	0.00
7/9/2010 11:00	35	3.0	6.7	131	26.5	79.7	27	0.00
7/9/2010 12:00	85	2.3	5.1	199	28.1	82.6	20	0.00
7/9/2010 13:00	172	2.1	4.7	208	28.9	84.0	15	0.00
7/9/2010 14:00	120	2.0	4.5	212	30.3	86.5	15	0.00
7/9/2010 15:00	89	1.8	4.0	301	29.5	85.1	16	0.00
7/9/2010 16:00	48	2.0	4.5	1	27.8	82.0	22	0.00
7/9/2010 17:00	62	3.1	6.9	20	29.0	84.2	21	0.00
7/9/2010 18:00	60	3.6	8.1	25	27.3	81.1	26	0.00
7/9/2010 19:00	40	2.0	4.5	78	25.2	77.4	34	0.00
7/9/2010 20:00	92	1.6	3.6	155	23.8	74.8	37	0.00
7/9/2010 21:00	83	1.7	3.8	156	21.5	70.7	37	0.00
7/9/2010 22:00	51	1.5	3.4	182	20.3	68.5	40	0.00
7/9/2010 23:00	62	1.7	3.8	154	19.3	66.7	42	0.00
7/10/2010 0:00	55	1.3	2.9	201	18.4	65.1	44	0.00
7/10/2010 1:00	43	1.1	2.5	199	15.9	60.6	53	0.00
7/10/2010 2:00	54	1.2	2.7	166	12.3	54.1	66	0.00
7/10/2010 3:00	53	1.4	3.1	168	10.6	51.1	72	0.00
7/10/2010 4:00	33	1.2	2.7	166	9.7	49.5	73	0.00
7/10/2010 5:00	12	1.4	3.1	161	9.3	48.7	72	0.00
7/10/2010 6:00	36	1.8	4.0	165	10.1	50.2	69	0.00
7/10/2010 7:00	52	2.0	4.5	171	14.1	57.4	57	0.00
7/10/2010 8:00	57	1.8	4.0	176	17.1	62.8	50	0.00
7/10/2010 9:00	5	1.8	4.0	174	20.7	69.3	41	0.00
7/10/2010 10:00	34	1.5	3.4	192	24.2	75.6	32	0.00
7/10/2010 11:00	63	3.2	7.2	270	25.9	78.6	26	0.00
7/10/2010 12:00	127	3.2	7.2	280	25.9	78.6	27	0.00
7/10/2010 13:00	198	4.7	10.5	239	22.3	72.1	40	0.00
7/10/2010 14:00	4	2.1	4.7	157	20.9	69.6	47	0.01
7/10/2010 15:00	93	3.3	7.4	309	18.7	65.7	57	0.13
7/10/2010 16:00	-4	2.2	4.9	42	16.4	61.5	69	0.00
7/10/2010 17:00	23	3.1	6.9	251	17.3	63.1	59	0.00
7/10/2010 18:00	35	2.1	4.7	206	17.3	63.1	60	0.00
7/10/2010 19:00	16	1.8	4.0	176	17.8	64.0	57	0.00
7/10/2010 20:00	25	1.6	3.6	174	16.8	62.2	61	0.00
7/10/2010 21:00	17	2.8	6.3	149	16.4	61.5	60	0.00
7/10/2010 22:00	26	3.4	7.6	238	15.6	60.1	67	0.00

Date & Time Mountain Standard Time (data for hour ending)	TSP Hourly (µg/m3)	Wind Speed Hourly (meters per second)	Wind Speed Hourly (miles per hour)	Wind Direction Hourly (degrees true)	Air Temperature Hourly (Celsius)	Air Temperature Hourly (Fahrenheit)	Relative Humidity Hourly (percent)	Precipitation Hourly (inches)
7/10/2010 23:00	6	2.8	6.3	198	15.3	59.5	66	0.00
7/11/2010 0:00	20	1.3	2.9	208	13.8	56.8	72	0.00
7/11/2010 1:00	4	1.3	2.9	222	13.1	55.6	73	0.00
7/11/2010 2:00	16	1.1	2.5	210	12.8	55.0	74	0.00
7/11/2010 3:00	6	1.2	2.7	212	12.0	53.6	75	0.00
7/11/2010 4:00	10	1.6	3.6	226	11.3	52.3	78	0.00
7/11/2010 5:00	6	1.2	2.7	217	10.9	51.6	78	0.00
7/11/2010 6:00	25	0.7	1.6	216	10.2	50.4	82	0.00
7/11/2010 7:00	6	0.7	1.6	156	11.3	52.3	78	0.00
7/11/2010 8:00	12	1.3	2.9	162	14.8	58.6	63	0.00
7/11/2010 9:00	15	1.0	2.2	207	16.2	61.2	61	0.00
7/11/2010 10:00	9	1.2	2.7	132	19.7	67.5	50	0.00
7/11/2010 11:00	19	1.4	3.1	151	22.3	72.1	42	0.00
7/11/2010 12:00	25	1.4	3.1	127	23.9	75.0	35	0.00
7/11/2010 13:00	32	1.7	3.8	223	23.2	73.8	37	0.00
7/11/2010 14:00	61	1.8	4.0	233	24.1	75.4	35	0.00
7/11/2010 15:00	31	1.7	3.8	31	24.1	75.4	38	0.00
7/11/2010 16:00	28	1.1	2.5	275	24.2	75.6	35	0.00
7/11/2010 17:00	53	2.1	4.7	292	24.7	76.5	32	0.00
7/11/2010 18:00	42	1.5	3.4	327	23.7	74.7	36	0.00
7/11/2010 19:00	44	1.7	3.8	315	22.6	72.7	40	0.00
7/11/2010 20:00	32	1.8	4.0	37	21.2	70.2	45	0.00
7/11/2010 21:00	30	1.3	2.9	294	19.5	67.1	49	0.00
7/11/2010 22:00	42	1.1	2.5	243	16.4	61.5	63	0.00
7/11/2010 23:00	27	1.0	2.2	234	13.7	56.7	73	0.00
7/12/2010 0:00	29	1.1	2.5	227	11.9	53.4	77	0.00
7/12/2010 1:00	4	1.0	2.2	210	10.8	51.4	78	0.00
7/12/2010 2:00	38	1.3	2.9	221	11.1	52.0	74	0.00
7/12/2010 3:00	5	1.1	2.5	199	11.1	52.0	73	0.00
7/12/2010 4:00	33	1.3	2.9	198	11.6	52.9	71	0.00
7/12/2010 5:00	0	1.4	3.1	190	11.2	52.2	71	0.00
7/12/2010 6:00	35	1.5	3.4	168	11.8	53.2	68	0.00
7/12/2010 7:00	24	1.3	2.9	171	14.5	58.1	59	0.00
7/12/2010 8:00	44	2.1	4.7	209	18.2	64.8	49	0.00
7/12/2010 9:00	60	2.5	5.6	227	20.5	68.9	45	0.00
7/12/2010 10:00	124	2.6	5.8	220	22.6	72.7	40	0.00
7/12/2010 11:00	129	3.2	7.2	232	23.0	73.4	38	0.00
7/12/2010 12:00	86	3.4	7.6	269	24.7	76.5	28	0.00
7/12/2010 13:00	101	4.3	9.6	237	25.7	78.3	25	0.00
7/12/2010 14:00	66	4.4	9.8	255	26.8	80.2	23	0.00
7/12/2010 15:00	93	4.4	9.8	270	26.4	79.5	22	0.00
7/12/2010 16:00	121	4.4	9.8	278	25.2	77.4	23	0.00
7/12/2010 17:00	106	5.4	12.1	278	25.7	78.3	19	0.00
7/12/2010 18:00	106	5.2	11.6	271	25.3	77.5	16	0.00
7/12/2010 19:00	43	4.1	9.2	267	24.0	75.2	14	0.00
7/12/2010 20:00	47	3.5	7.8	280	22.2	72.0	17	0.00
7/12/2010 21:00	37	2.1	4.7	286	19.2	66.6	22	0.00
7/12/2010 22:00	27	2.2	4.9	280	17.1	62.8	25	0.00
7/12/2010 23:00	26	3.0	6.7	284	17.0	62.6	24	0.00
7/13/2010 0:00	64	3.2	7.2	288	16.2	61.2	23	0.00
7/13/2010 1:00	42	3.1	6.9	284	15.0	59.0	24	0.00
7/13/2010 2:00	49	3.3	7.4	278	13.6	56.5	26	0.00
7/13/2010 3:00	39	3.2	7.2	265	12.3	54.1	31	0.00
7/13/2010 4:00	49	2.0	4.5	262	10.9	51.6	36	0.00
7/13/2010 5:00	26	1.1	2.5	169	6.6	43.9	52	0.00
7/13/2010 6:00	30	1.5	3.4	252	7.9	46.2	50	0.00
7/13/2010 7:00	47	2.9	6.5	261	11.6	52.9	41	0.00
7/13/2010 8:00	84	4.2	9.4	280	12.2	54.0	42	0.00
7/13/2010 9:00	42	3.5	7.8	294	13.4	56.1	39	0.00
7/13/2010 10:00	45	3.5	7.8	295	14.3	57.7	36	0.00
7/13/2010 11:00	45	3.6	8.1	289	15.1	59.2	34	0.00
7/13/2010 12:00	70	4.3	9.6	292	16.1	61.0	31	0.00
7/13/2010 13:00	79	4.6	10.3	288	16.5	61.7	30	0.00
7/13/2010 14:00	62	4.4	9.8	289	17.2	63.0	29	0.00
7/13/2010 15:00	81	4.4	9.8	291	17.7	63.9	26	0.00
7/13/2010 16:00	44	4.7	10.5	291	17.8	64.0	24	0.00
7/13/2010 17:00	34	4.6	10.3	291	17.6	63.7	23	0.00
7/13/2010 18:00	28	3.8	8.5	290	17.1	62.8	23	0.00
7/13/2010 19:00	21	3.5	7.8	297	15.9	60.6	26	0.00
7/13/2010 20:00	26	2.7	6.0	300	14.0	57.2	31	0.00
7/13/2010 21:00	33	2.2	4.9	281	11.2	52.2	39	0.00
7/13/2010 22:00	15	1.7	3.8	270	9.7	49.5	41	0.00
7/13/2010 23:00	3	2.3	5.1	278	9.0	48.2	42	0.00
7/14/2010 0:00	17	2.7	6.0	280	9.0	48.2	43	0.00
7/14/2010 1:00	11	2.7	6.0	285	8.7	47.7	44	0.00
7/14/2010 2:00	14	2.7	6.0	280	8.5	47.3	46	0.00
7/14/2010 3:00	22	1.7	3.8	262	7.1	44.8	52	0.00
7/14/2010 4:00	15	1.1	2.5	183	5.0	41.0	61	0.00
7/14/2010 5:00	6	1.2	2.7	226	5.6	42.1	60	0.00
7/14/2010 6:00	41	1.1	2.5	177	4.8	40.6	62	0.00

Date & Time Mountain Standard Time (data for hour ending)	TSP Hourly (µg/m3)	Wind Speed Hourly (meters per second)	Wind Speed Hourly (miles per hour)	Wind Direction Hourly (degrees true)	Air Temperature Hourly (Celsius)	Air Temperature Hourly (Fahrenheit)	Relative Humidity Hourly (percent)	Precipitation Hourly (inches)
7/14/2010 7:00	13	1.4	3.1	158	7.9	46.2	54	0.00
7/14/2010 8:00	19	1.6	3.6	170	11.2	52.2	46	0.00
7/14/2010 9:00	21	1.8	4.0	211	13.0	55.4	41	0.00
7/14/2010 10:00	16	1.4	3.1	222	14.8	58.6	38	0.00
7/14/2010 11:00	6	1.4	3.1	192	16.7	62.1	36	0.00
7/14/2010 12:00	63	1.9	4.3	77	18.2	64.8	36	0.00
7/14/2010 13:00	88	2.9	6.5	35	18.8	65.8	36	0.00
7/14/2010 14:00	122	2.2	4.9	25	20.1	68.2	35	0.00
7/14/2010 15:00	64	2.2	4.9	11	20.9	69.6	34	0.00
7/14/2010 16:00	19	2.0	4.5	22	21.7	71.1	34	0.00
7/14/2010 17:00	24	2.4	5.4	16	22.2	72.0	34	0.00
7/14/2010 18:00	31	2.3	5.1	8	21.9	71.4	35	0.00
7/14/2010 19:00	27	2.4	5.4	356	21.2	70.2	37	0.00
7/14/2010 20:00	20	1.9	4.3	3	19.8	67.6	40	0.00
7/14/2010 21:00	19	1.0	2.2	281	16.2	61.2	52	0.00
7/14/2010 22:00	25	1.2	2.7	251	12.9	55.2	62	0.00
7/14/2010 23:00	22	0.8	1.8	165	10.1	50.2	72	0.00
7/15/2010 0:00	18	1.0	2.2	233	9.7	49.5	71	0.00
7/15/2010 1:00	10	0.9	2.0	213	8.7	47.7	74	0.00
7/15/2010 2:00	19	0.9	2.0	195	6.9	44.4	79	0.00
7/15/2010 3:00	10	1.3	2.9	190	7.2	45.0	78	0.00
7/15/2010 4:00	9	1.4	3.1	205	6.8	44.2	78	0.00
7/15/2010 5:00	-2	1.0	2.2	184	5.4	41.7	82	0.00
7/15/2010 6:00	25	1.3	2.9	173	7.3	45.1	74	0.00
7/15/2010 7:00	8	1.5	3.4	166	11.4	52.5	63	0.00
7/15/2010 8:00	11	1.8	4.0	165	14.9	58.8	53	0.00
7/15/2010 9:00	29	1.3	2.9	193	18.4	65.1	42	0.00
7/15/2010 10:00	29	1.9	4.3	228	20.9	69.6	35	0.00
7/15/2010 11:00	19	1.7	3.8	229	22.5	72.5	30	0.00
7/15/2010 12:00	26	1.6	3.6	202	24.2	75.6	28	0.00
7/15/2010 13:00	61	2.1	4.7	36	25.1	77.2	28	0.00
7/15/2010 14:00	44	1.7	3.8	97	26.5	79.7	25	0.00
7/15/2010 15:00	45	1.6	3.6	65	27.5	81.5	23	0.00
7/15/2010 16:00	47	1.8	4.0	46	28.3	82.9	21	0.00
7/15/2010 17:00	33	1.9	4.3	357	28.4	83.1	20	0.00
7/15/2010 18:00	55	1.8	4.0	324	28.3	82.9	19	0.00
7/15/2010 19:00	36	2.2	4.9	293	27.3	81.1	18	0.00
7/15/2010 20:00	24	2.0	4.5	286	25.2	77.4	22	0.00
7/15/2010 21:00	45	0.9	2.0	258	20.7	69.3	33	0.00
7/15/2010 22:00	36	0.9	2.0	223	15.6	60.1	49	0.00
7/15/2010 23:00	40	1.0	2.2	198	13.6	56.5	55	0.00
7/16/2010 0:00	33	0.8	1.8	222	10.6	51.1	66	0.00
7/16/2010 1:00	46	1.1	2.5	201	10.6	51.1	64	0.00
7/16/2010 2:00	20	1.2	2.7	200	11.2	52.2	59	0.00
7/16/2010 3:00	21	1.2	2.7	204	11.6	52.9	58	0.00
7/16/2010 4:00	11	1.3	2.9	195	11.4	52.5	58	0.00
7/16/2010 5:00	28	1.4	3.1	220	11.6	52.9	57	0.00
7/16/2010 6:00	22	1.5	3.4	215	12.1	53.8	55	0.00
7/16/2010 7:00	40	2.0	4.5	188	14.3	57.7	49	0.00
7/16/2010 8:00	56	2.4	5.4	163	18.0	64.4	43	0.00
7/16/2010 9:00	29	2.4	5.4	158	22.0	71.6	37	0.00
7/16/2010 10:00	47	1.8	4.0	185	25.3	77.5	26	0.00
7/16/2010 11:00	75	2.5	5.6	217	26.8	80.2	22	0.00
7/16/2010 12:00	161	3.2	7.2	220	28.2	82.8	20	0.00
7/16/2010 13:00	131	4.0	8.9	229	29.4	84.9	19	0.00
7/16/2010 14:00	109	3.8	8.5	229	30.5	86.9	16	0.00
7/16/2010 15:00	BA	BA	BA	BA	30.8	87.4	15	0.00
7/16/2010 16:00	71	3.8	8.5	232	31.6	88.9	14	0.00
7/16/2010 17:00	49	2.7	6.0	240	30.2	86.4	17	0.00
7/16/2010 18:00	117	2.9	6.5	275	31.1	88.0	14	0.00
7/16/2010 19:00	49	3.3	7.4	291	29.5	85.1	16	0.00
7/16/2010 20:00	42	2.3	5.1	297	27.1	80.8	20	0.00
7/16/2010 21:00	27	1.3	2.9	336	22.6	72.7	28	0.00
7/16/2010 22:00	33	1.3	2.9	342	19.8	67.6	34	0.00
7/16/2010 23:00	23	1.1	2.5	321	18.5	65.3	37	0.00
7/17/2010 0:00	40	1.1	2.5	268	15.7	60.3	46	0.00
7/17/2010 1:00	36	1.0	2.2	193	10.9	51.6	65	0.00
7/17/2010 2:00	14	1.0	2.2	227	10.0	50.0	67	0.00
7/17/2010 3:00	22	0.9	2.0	234	9.1	48.4	69	0.00
7/17/2010 4:00	15	1.0	2.2	222	7.6	45.7	75	0.00
7/17/2010 5:00	9	1.0	2.2	240	6.9	44.4	77	0.00
7/17/2010 6:00	22	1.0	2.2	234	8.0	46.4	73	0.00
7/17/2010 7:00	23	1.0	2.2	193	12.5	54.5	59	0.00
7/17/2010 8:00	20	1.1	2.5	181	16.8	62.2	49	0.00
7/17/2010 9:00	14	1.0	2.2	136	20.0	68.0	37	0.00
7/17/2010 10:00	18	1.9	4.3	25	22.1	71.8	30	0.00
7/17/2010 11:00	12	2.3	5.1	20	23.6	74.5	27	0.00
7/17/2010 12:00	29	2.5	5.6	22	25.2	77.4	25	0.00
7/17/2010 13:00	19	2.2	4.9	55	26.8	80.2	24	0.00
7/17/2010 14:00	40	2.1	4.7	52	28.1	82.6	21	0.00
7/17/2010 15:00	25	2.5	5.6	54	29.2	84.6	18	0.00

Date & Time Mountain Standard Time (data for hour ending)	TSP Hourly (µg/m3)	Wind Speed Hourly (meters per second)	Wind Speed Hourly (miles per hour)	Wind Direction Hourly (degrees true)	Air Temperature Hourly (Celsius)	Air Temperature Hourly (Fahrenheit)	Relative Humidity Hourly (percent)	Precipitation Hourly (inches)
7/17/2010 16:00	36	2.9	6.5	16	29.1	84.4	19	0.00
7/17/2010 17:00	41	1.7	3.8	194	29.7	85.5	16	0.00
7/17/2010 18:00	43	2.8	6.3	293	29.0	84.2	17	0.00
7/17/2010 19:00	52	2.8	6.3	294	27.9	82.2	18	0.00
7/17/2010 20:00	29	1.8	4.0	349	25.2	77.4	22	0.00
7/17/2010 21:00	17	1.6	3.6	3	21.8	71.2	28	0.00
7/17/2010 22:00	32	1.4	3.1	274	17.8	64.0	38	0.00
7/17/2010 23:00	29	0.9	2.0	210	12.7	54.9	57	0.00
7/18/2010 0:00	13	0.8	1.8	246	9.9	49.8	65	0.00
7/18/2010 1:00	15	1.4	3.1	241	9.8	49.6	63	0.00
7/18/2010 2:00	8	1.1	2.5	238	8.6	47.5	66	0.00
7/18/2010 3:00	11	1.1	2.5	230	8.1	46.6	67	0.00
7/18/2010 4:00	17	1.0	2.2	201	9.1	48.4	63	0.00
7/18/2010 5:00	22	1.0	2.2	210	7.9	46.2	66	0.00
7/18/2010 6:00	27	1.0	2.2	223	8.6	47.5	63	0.00
7/18/2010 7:00	18	1.1	2.5	216	13.2	55.8	49	0.00
7/18/2010 8:00	26	1.5	3.4	185	17.1	62.8	41	0.00
7/18/2010 9:00	21	1.5	3.4	140	20.9	69.6	32	0.00
7/18/2010 10:00	13	1.7	3.8	46	23.1	73.6	32	0.00
7/18/2010 11:00	31	3.3	7.4	22	23.8	74.8	33	0.00
7/18/2010 12:00	24	3.4	7.6	23	25.2	77.4	28	0.00
7/18/2010 13:00	29	3.0	6.7	28	26.6	79.9	25	0.00
7/18/2010 14:00	41	2.7	6.0	21	26.4	79.5	24	0.00
7/18/2010 15:00	27	3.4	7.6	19	26.0	78.8	24	0.00
7/18/2010 16:00	141	3.8	8.5	21	25.0	77.0	29	0.01
7/18/2010 17:00	38	4.1	9.2	15	25.9	78.6	26	0.00
7/18/2010 18:00	35	3.3	7.4	17	24.6	76.3	27	0.00
7/18/2010 19:00	30	2.8	6.3	22	24.2	75.6	28	0.00
7/18/2010 20:00	21	1.9	4.3	15	22.2	72.0	31	0.00
7/18/2010 21:00	27	0.9	2.0	265	17.2	63.0	47	0.00
7/18/2010 22:00	11	1.4	3.1	309	15.2	59.4	49	0.00
7/18/2010 23:00	19	1.3	2.9	332	16.3	61.3	40	0.00
7/19/2010 0:00	26	1.1	2.5	221	11.3	52.3	60	0.00
7/19/2010 1:00	15	0.8	1.8	224	9.2	48.6	68	0.00
7/19/2010 2:00	11	0.9	2.0	236	8.3	46.9	67	0.00
7/19/2010 3:00	18	0.9	2.0	216	6.1	43.0	74	0.00
7/19/2010 4:00	0	0.8	1.8	245	5.0	41.0	76	0.00
7/19/2010 5:00	20	1.0	2.2	227	5.3	41.5	74	0.00
7/19/2010 6:00	13	0.9	2.0	236	5.8	42.4	71	0.00
7/19/2010 7:00	20	0.8	1.8	160	10.2	50.4	57	0.00
7/19/2010 8:00	32	1.0	2.2	135	14.5	58.1	44	0.00
7/19/2010 9:00	63	1.2	2.7	69	17.5	63.5	39	0.00
7/19/2010 10:00	82	3.0	6.7	35	19.4	66.9	31	0.00
7/19/2010 11:00	32	2.5	5.6	48	20.9	69.6	27	0.00
7/19/2010 12:00	45	2.1	4.7	49	22.3	72.1	24	0.00
7/19/2010 13:00	41	2.7	6.0	56	23.2	73.8	22	0.00
7/19/2010 14:00	24	2.2	4.9	64	24.3	75.7	21	0.00
7/19/2010 15:00	92	2.9	6.5	19	25.0	77.0	20	0.00
7/19/2010 16:00	32	3.2	7.2	15	25.1	77.2	20	0.00
7/19/2010 17:00	36	3.7	8.3	36	24.8	76.6	21	0.00
7/19/2010 18:00	49	4.2	9.4	27	24.3	75.7	22	0.00
7/19/2010 19:00	41	3.9	8.7	39	23.0	73.4	24	0.00
7/19/2010 20:00	27	3.0	6.7	39	21.0	69.8	28	0.00
7/19/2010 21:00	22	1.9	4.3	10	18.4	65.1	35	0.00
7/19/2010 22:00	24	1.0	2.2	261	14.4	57.9	46	0.00
7/19/2010 23:00	23	1.2	2.7	243	11.1	52.0	55	0.00
7/20/2010 0:00	21	0.9	2.0	193	7.7	45.9	69	0.00
7/20/2010 1:00	18	0.9	2.0	251	6.6	43.9	72	0.00
7/20/2010 2:00	48	1.0	2.2	240	6.9	44.4	77	0.00
7/20/2010 3:00	-5	0.8	1.8	245	5.6	42.1	82	0.00
7/20/2010 4:00	19	0.8	1.8	237	4.2	39.6	88	0.00
7/20/2010 5:00	6	0.6	1.3	236	3.1	37.6	89	0.00
7/20/2010 6:00	25	0.7	1.6	239	3.4	38.1	86	0.00
7/20/2010 7:00	13	0.8	1.8	228	8.1	46.6	70	0.00
7/20/2010 8:00	22	0.7	1.6	107	13.0	55.4	58	0.00
7/20/2010 9:00	17	1.0	2.2	94	15.5	59.9	53	0.00
7/20/2010 10:00	27	1.1	2.5	34	17.7	63.9	47	0.00
7/20/2010 11:00	28	1.6	3.6	60	19.8	67.6	41	0.00
7/20/2010 12:00	43	1.9	4.3	33	21.6	70.9	36	0.00
7/20/2010 13:00	39	1.6	3.6	336	23.6	74.5	30	0.00
7/20/2010 14:00	17	1.5	3.4	92	25.1	77.2	24	0.00
7/20/2010 15:00	62	2.0	4.5	47	26.0	78.8	23	0.00
7/20/2010 16:00	58	2.9	6.5	20	26.2	79.2	21	0.00
7/20/2010 17:00	79	3.3	7.4	23	26.4	79.5	20	0.00
7/20/2010 18:00	216	4.4	9.8	8	25.2	77.4	25	0.00
7/20/2010 19:00	110	4.1	9.2	1	23.6	74.5	32	0.00
7/20/2010 20:00	67	4.1	9.2	353	20.9	69.6	40	0.00
7/20/2010 21:00	40	3.8	8.5	350	18.5	65.3	45	0.00
7/20/2010 22:00	17	2.8	6.3	358	16.9	62.4	48	0.00
7/20/2010 23:00	22	2.7	6.0	13	15.3	59.5	52	0.00
7/21/2010 0:00	35	2.7	6.0	23	14.2	57.6	56	0.00

Date & Time Mountain Standard Time (data for hour ending)	TSP Hourly (µg/m3)	Wind Speed Hourly (meters per second)	Wind Speed Hourly (miles per hour)	Wind Direction Hourly (degrees true)	Air Temperature Hourly (Celsius)	Air Temperature Hourly (Fahrenheit)	Relative Humidity Hourly (percent)	Precipitation Hourly (inches)
7/21/2010 1:00	22	1.1	2.5	17	12.2	54.0	64	0.00
7/21/2010 2:00	30	1.0	2.2	243	9.3	48.7	75	0.00
7/21/2010 3:00	8	0.5	1.1	159	6.7	44.1	83	0.00
7/21/2010 4:00	9	0.5	1.1	240	5.8	42.4	85	0.00
7/21/2010 5:00	7	0.8	1.8	242	5.8	42.4	85	0.00
7/21/2010 6:00	48	0.7	1.6	218	6.9	44.4	81	0.00
7/21/2010 7:00	54	1.1	2.5	171	10.8	51.4	67	0.00
7/21/2010 8:00	16	1.2	2.7	240	13.9	57.0	59	0.00
7/21/2010 9:00	69	0.9	2.0	68	17.3	63.1	48	0.00
7/21/2010 10:00	59	1.5	3.4	54	18.7	65.7	48	0.00
7/21/2010 11:00	193	2.0	4.5	34	20.2	68.4	47	0.00
7/21/2010 12:00	447	2.0	4.5	18	21.6	70.9	44	0.00
7/21/2010 13:00	297	2.0	4.5	357	23.4	74.1	38	0.00
7/21/2010 14:00	309	2.9	6.5	348	22.8	73.0	41	0.00
7/21/2010 15:00	118	2.3	5.1	317	20.0	68.0	56	0.03
7/21/2010 16:00	9	1.5	3.4	336	21.0	69.8	52	0.00
7/21/2010 17:00	13	1.3	2.9	327	21.6	70.9	52	0.00
7/21/2010 18:00	33	1.4	3.1	315	20.5	68.9	52	0.00
7/21/2010 19:00	29	1.8	4.0	342	16.2	61.2	68	0.03
7/21/2010 20:00	9	1.1	2.5	186	14.6	58.3	72	0.00
7/21/2010 21:00	6	0.7	1.6	222	13.0	55.4	77	0.00
7/21/2010 22:00	-1	1.0	2.2	253	11.4	52.5	82	0.00
7/21/2010 23:00	18	1.1	2.5	294	10.0	50.0	85	0.00
7/22/2010 0:00	19	1.1	2.5	225	9.0	48.2	86	0.00
7/22/2010 1:00	25	0.9	2.0	229	7.9	46.2	87	0.00
7/22/2010 2:00	-5	1.2	2.7	190	7.5	45.5	85	0.00
7/22/2010 3:00	2	1.2	2.7	231	6.4	43.5	88	0.00
7/22/2010 4:00	2	1.1	2.5	247	7.0	44.6	88	0.00
7/22/2010 5:00	39	1.2	2.7	233	8.3	46.9	85	0.00
7/22/2010 6:00	16	1.2	2.7	214	8.5	47.3	82	0.00
7/22/2010 7:00	11	1.4	3.1	193	10.6	51.1	75	0.00
7/22/2010 8:00	7	2.3	5.1	169	13.7	56.7	64	0.00
7/22/2010 9:00	30	2.1	4.7	164	17.6	63.7	53	0.00
7/22/2010 10:00	23	1.6	3.6	202	20.4	68.7	40	0.00
7/22/2010 11:00	18	1.9	4.3	244	21.9	71.4	32	0.00
7/22/2010 12:00	31	1.8	4.0	229	22.6	72.7	28	0.00
7/22/2010 13:00	49	1.7	3.8	248	23.7	74.7	24	0.00
7/22/2010 14:00	36	1.8	4.0	298	24.3	75.7	23	0.00
7/22/2010 15:00	52	2.3	5.1	247	25.4	77.7	23	0.00
7/22/2010 16:00	56	2.5	5.6	236	23.8	74.8	27	0.00
7/22/2010 17:00	91	2.4	5.4	237	24.0	75.2	26	0.00
7/22/2010 18:00	60	2.3	5.1	263	24.0	75.2	26	0.00
7/22/2010 19:00	51	2.5	5.6	290	24.3	75.7	26	0.00
7/22/2010 20:00	35	1.5	3.4	339	21.3	70.3	33	0.00
7/22/2010 21:00	32	1.5	3.4	293	18.9	66.0	39	0.00
7/22/2010 22:00	38	1.2	2.7	284	17.7	63.9	44	0.00
7/22/2010 23:00	34	1.0	2.2	259	13.6	56.5	57	0.00
7/23/2010 0:00	43	0.9	2.0	191	11.5	52.7	64	0.00
7/23/2010 1:00	21	0.9	2.0	262	10.6	51.1	65	0.00
7/23/2010 2:00	55	1.5	3.4	293	15.1	59.2	49	0.00
7/23/2010 3:00	53	1.5	3.4	263	13.0	55.4	55	0.00
7/23/2010 4:00	56	1.2	2.7	297	13.5	56.3	53	0.00
7/23/2010 5:00	38	1.3	2.9	262	11.1	52.0	61	0.00
7/23/2010 6:00	54	1.6	3.6	269	12.7	54.9	56	0.00
7/23/2010 7:00	30	1.0	2.2	141	11.5	52.7	60	0.00
7/23/2010 8:00	44	1.2	2.7	252	14.3	57.7	54	0.00
7/23/2010 9:00	53	3.7	8.3	272	17.2	63.0	42	0.00
7/23/2010 10:00	31	3.7	8.3	268	18.3	64.9	39	0.00
7/23/2010 11:00	28	2.9	6.5	273	19.7	67.5	35	0.00
7/23/2010 12:00	26	3.0	6.7	264	21.1	70.0	31	0.00
7/23/2010 13:00	37	2.6	5.8	24	21.6	70.9	30	0.00
7/23/2010 14:00	32	2.8	6.3	27	22.2	72.0	30	0.00
7/23/2010 15:00	34	3.2	7.2	35	22.9	73.2	29	0.00
7/23/2010 16:00	22	3.0	6.7	21	23.2	73.8	29	0.00
7/23/2010 17:00	21	3.3	7.4	26	23.1	73.6	29	0.00
7/23/2010 18:00	40	3.7	8.3	11	22.6	72.7	31	0.00
7/23/2010 19:00	26	3.2	7.2	15	21.8	71.2	33	0.00
7/23/2010 20:00	25	2.0	4.5	3	19.7	67.5	40	0.00
7/23/2010 21:00	31	0.7	1.6	311	16.1	61.0	51	0.00
7/23/2010 22:00	33	1.0	2.2	242	12.8	55.0	62	0.00
7/23/2010 23:00	20	1.2	2.7	244	11.3	52.3	65	0.00
7/24/2010 0:00	16	0.8	1.8	213	9.0	48.2	75	0.00
7/24/2010 1:00	4	0.9	2.0	231	7.5	45.5	80	0.00
7/24/2010 2:00	21	1.1	2.5	241	7.0	44.6	81	0.00
7/24/2010 3:00	8	0.6	1.3	230	6.3	43.3	83	0.00
7/24/2010 4:00	18	0.7	1.6	240	5.1	41.2	86	0.00
7/24/2010 5:00	-5	0.8	1.8	227	4.8	40.6	87	0.00
7/24/2010 6:00	29	0.8	1.8	208	5.6	42.1	83	0.00
7/24/2010 7:00	9	0.6	1.3	188	9.9	49.8	67	0.00
7/24/2010 8:00	22	1.1	2.5	160	14.2	57.6	55	0.00

Date & Time Mountain Standard Time (data for hour ending)	TSP Hourly (µg/m3)	Wind Speed Hourly (meters per second)	Wind Speed Hourly (miles per hour)	Wind Direction Hourly (degrees true)	Air Temperature Hourly (Celsius)	Air Temperature Hourly (Fahrenheit)	Relative Humidity Hourly (percent)	Precipitation Hourly (inches)
7/24/2010 9:00	15	0.9	2.0	204	17.4	63.3	45	0.00
7/24/2010 10:00	17	1.1	2.5	153	20.1	68.2	40	0.00
7/24/2010 11:00	10	1.4	3.1	41	22.2	72.0	37	0.00
7/24/2010 12:00	17	1.7	3.8	56	23.7	74.7	34	0.00
7/24/2010 13:00	14	2.4	5.4	48	25.0	77.0	33	0.00
7/24/2010 14:00	19	2.7	6.0	50	26.5	79.7	31	0.00
7/24/2010 15:00	27	3.1	6.9	14	27.5	81.5	27	0.00
7/24/2010 16:00	31	3.2	7.2	24	27.9	82.2	26	0.00
7/24/2010 17:00	29	3.3	7.4	18	27.8	82.0	25	0.00
7/24/2010 18:00	29	3.4	7.6	2	27.1	80.8	26	0.00
7/24/2010 19:00	26	2.9	6.5	5	26.4	79.5	28	0.00
7/24/2010 20:00	23	1.4	3.1	347	23.6	74.5	33	0.00
7/24/2010 21:00	26	1.3	2.9	251	17.8	64.0	49	0.00
7/24/2010 22:00	31	1.2	2.7	246	14.9	58.8	55	0.00
7/24/2010 23:00	18	0.8	1.8	247	11.8	53.2	66	0.00
7/25/2010 0:00	9	1.0	2.2	230	10.6	51.1	69	0.00
7/25/2010 1:00	11	1.2	2.7	215	10.2	50.4	68	0.00
7/25/2010 2:00	14	1.1	2.5	217	8.9	48.0	73	0.00
7/25/2010 3:00	19	1.4	3.1	226	8.5	47.3	71	0.00
7/25/2010 4:00	21	0.8	1.8	204	7.5	45.5	76	0.00
7/25/2010 5:00	19	1.0	2.2	224	7.2	45.0	76	0.00
7/25/2010 6:00	42	1.0	2.2	227	7.6	45.7	75	0.00
7/25/2010 7:00	20	1.3	2.9	164	11.9	53.4	59	0.00
7/25/2010 8:00	18	0.9	2.0	194	17.0	62.6	48	0.00
7/25/2010 9:00	14	1.1	2.5	167	21.2	70.2	35	0.00
7/25/2010 10:00	13	1.1	2.5	107	23.7	74.7	30	0.00
7/25/2010 11:00	11	1.3	2.9	91	26.1	79.0	27	0.00
7/25/2010 12:00	25	2.3	5.1	36	28.2	82.8	24	0.00
7/25/2010 13:00	33	2.1	4.7	63	29.5	85.1	21	0.00
7/25/2010 14:00	25	1.8	4.0	110	30.8	87.4	18	0.00
7/25/2010 15:00	29	2.1	4.7	29	31.8	89.2	13	0.00
7/25/2010 16:00	24	2.9	6.5	297	31.9	89.4	9	0.00
7/25/2010 17:00	23	2.9	6.5	343	31.3	88.3	13	0.00
7/25/2010 18:00	28	3.2	7.2	13	30.6	87.1	15	0.00
7/25/2010 19:00	25	3.4	7.6	32	29.2	84.6	14	0.00
7/25/2010 20:00	23	1.8	4.0	349	25.7	78.3	21	0.00
7/25/2010 21:00	37	1.2	2.7	290	20.5	68.9	32	0.00
7/25/2010 22:00	50	1.0	2.2	227	16.2	61.2	44	0.00
7/25/2010 23:00	15	1.0	2.2	242	13.7	56.7	50	0.00
7/26/2010 0:00	27	1.1	2.5	239	12.4	54.3	53	0.00
7/26/2010 1:00	23	1.0	2.2	208	11.3	52.3	57	0.00
7/26/2010 2:00	32	1.0	2.2	210	10.5	50.9	59	0.00
7/26/2010 3:00	18	1.0	2.2	211	10.2	50.4	58	0.00
7/26/2010 4:00	24	1.0	2.2	224	9.6	49.3	62	0.00
7/26/2010 5:00	21	1.1	2.5	204	10.1	50.2	60	0.00
7/26/2010 6:00	31	1.2	2.7	184	10.6	51.1	57	0.00
7/26/2010 7:00	31	1.0	2.2	217	13.0	55.4	53	0.00
7/26/2010 8:00	115	0.9	2.0	193	15.5	59.9	52	0.00
7/26/2010 9:00	65	1.4	3.1	170	18.5	65.3	42	0.00
7/26/2010 10:00	50	1.2	2.7	237	19.6	67.3	41	0.00
7/26/2010 11:00	41	1.0	2.2	126	23.1	73.6	36	0.00
7/26/2010 12:00	38	1.2	2.7	183	24.9	76.8	32	0.00
7/26/2010 13:00	116	1.6	3.6	279	25.0	77.0	34	0.00
7/26/2010 14:00	957	1.6	3.6	356	23.1	73.6	41	0.00
7/26/2010 15:00	60	1.2	2.7	231	26.5	79.7	32	0.00
7/26/2010 16:00	17	1.2	2.7	193	28.0	82.4	27	0.00
7/26/2010 17:00	26	1.1	2.5	172	27.9	82.2	26	0.00
7/26/2010 18:00	103	2.1	4.7	219	25.4	77.7	35	0.00
7/26/2010 19:00	50	1.6	3.6	344	23.5	74.3	39	0.00
7/26/2010 20:00	38	2.1	4.7	351	21.5	70.7	46	0.00
7/26/2010 21:00	29	1.3	2.9	254	20.4	68.7	46	0.00
7/26/2010 22:00	21	0.9	2.0	175	18.8	65.8	53	0.00
7/26/2010 23:00	14	1.1	2.5	240	15.8	60.4	78	0.09
7/27/2010 0:00	30	1.1	2.5	201	14.5	58.1	88	0.01
7/27/2010 1:00	-5	1.3	2.9	213	14.7	58.5	86	0.01
7/27/2010 2:00	19	0.8	1.8	191	14.1	57.4	89	0.00
7/27/2010 3:00	10	1.1	2.5	170	13.7	56.7	88	0.00
7/27/2010 4:00	-3	0.7	1.6	221	13.5	56.3	85	0.00
7/27/2010 5:00	31	0.9	2.0	181	12.3	54.1	87	0.00
7/27/2010 6:00	10	0.6	1.3	223	11.5	52.7	89	0.00
7/27/2010 7:00	77	0.8	1.8	315	12.9	55.2	87	0.00
7/27/2010 8:00	28	0.9	2.0	42	13.9	57.0	85	0.00
7/27/2010 9:00	82	1.5	3.4	306	14.9	58.8	83	0.00
7/27/2010 10:00	97	3.0	6.7	4	15.6	60.1	79	0.02
7/27/2010 11:00	BA	BA	BA	BA	BA	BA	BA	0.00
7/27/2010 12:00	BA	BA	BA	BA	BA	BA	BA	0.00
7/27/2010 13:00	BA	BA	BA	BA	BA	BA	BA	0.08
7/27/2010 14:00	BA	BA	BA	BA	BA	BA	BA	0.02
7/27/2010 15:00	BA	BA	BA	BA	BA	BA	BA	0.00
7/27/2010 16:00	BA	BA	BA	BA	BA	BA	BA	0.00
7/27/2010 17:00	BA	BA	BA	BA	BA	BA	BA	0.00

Date & Time Mountain Standard Time (data for hour ending)	TSP Hourly (µg/m3)	Wind Speed Hourly (meters per second)	Wind Speed Hourly (miles per hour)	Wind Direction Hourly (degrees true)	Air Temperature Hourly (Celsius)	Air Temperature Hourly (Fahrenheit)	Relative Humidity Hourly (percent)	Precipitation Hourly (inches)
7/27/2010 18:00	BA	BA	BA	BA	BA	BA	BA	0.00
7/27/2010 19:00	BA	BA	BA	BA	BA	BA	BA	0.00
7/27/2010 20:00	BA	BA	BA	BA	BA	BA	BA	0.00
7/27/2010 21:00	BA	BA	BA	BA	BA	BA	BA	0.00
7/27/2010 22:00	BA	BA	BA	BA	BA	BA	BA	0.00
7/27/2010 23:00	BA	BA	BA	BA	BA	BA	BA	0.00
7/28/2010 0:00	BA	BA	BA	BA	BA	BA	BA	0.00
7/28/2010 1:00	BA	BA	BA	BA	BA	BA	BA	0.00
7/28/2010 2:00	BA	BA	BA	BA	BA	BA	BA	0.00
7/28/2010 3:00	BA	BA	BA	BA	BA	BA	BA	0.00
7/28/2010 4:00	BA	BA	BA	BA	BA	BA	BA	0.00
7/28/2010 5:00	BA	BA	BA	BA	BA	BA	BA	0.01
7/28/2010 6:00	BA	BA	BA	BA	BA	BA	BA	0.00
7/28/2010 7:00	BA	BA	BA	BA	BA	BA	BA	0.00
7/28/2010 8:00	BA	BA	BA	BA	BA	BA	BA	0.00
7/28/2010 9:00	BA	BA	BA	BA	BA	BA	BA	0.00
7/28/2010 10:00	BA	BA	BA	BA	BA	BA	BA	0.00
7/28/2010 11:00	BA	BA	BA	BA	BA	BA	BA	0.00
7/28/2010 12:00	BA	BA	BA	BA	BA	BA	BA	0.00
7/28/2010 13:00	BA	1.7	3.8	115	28.4	83.1	30	0.00
7/28/2010 14:00	104	2.9	6.5	29	28.4	83.1	32	0.00
7/28/2010 15:00	175	3.0	6.7	11	27.9	82.2	32	0.00
7/28/2010 16:00	57	2.0	4.5	351	24.9	76.8	41	0.00
7/28/2010 17:00	40	1.9	4.3	213	22.2	72.0	49	0.01
7/28/2010 18:00	25	2.2	4.9	295	22.5	72.5	43	0.00
7/28/2010 19:00	24	1.1	2.5	21	21.9	71.4	46	0.00
7/28/2010 20:00	24	1.1	2.5	253	19.0	66.2	58	0.00
7/28/2010 21:00	18	1.0	2.2	210	16.7	62.1	66	0.00
7/28/2010 22:00	8	0.9	2.0	204	15.1	59.2	71	0.00
7/28/2010 23:00	9	1.0	2.2	231	14.8	58.6	71	0.00
7/29/2010 0:00	16	1.1	2.5	224	14.6	58.3	70	0.00
7/29/2010 1:00	10	1.4	3.1	234	14.3	57.7	73	0.00
7/29/2010 2:00	4	1.2	2.7	243	13.0	55.4	74	0.00
7/29/2010 3:00	-1	1.0	2.2	244	12.2	54.0	78	0.00
7/29/2010 4:00	9	1.1	2.5	239	12.4	54.3	79	0.00
7/29/2010 5:00	19	1.0	2.2	221	13.4	56.1	73	0.00
7/29/2010 6:00	18	0.9	2.0	243	12.4	54.3	76	0.00
7/29/2010 7:00	51	1.4	3.1	161	15.9	60.6	64	0.00
7/29/2010 8:00	37	1.7	3.8	192	19.2	66.6	54	0.00
7/29/2010 9:00	34	3.8	8.5	237	21.1	70.0	48	0.00
7/29/2010 10:00	28	4.5	10.1	243	22.7	72.9	42	0.00
7/29/2010 11:00	21	2.6	5.8	230	24.7	76.5	34	0.00
7/29/2010 12:00	43	1.9	4.3	235	26.8	80.2	28	0.00
7/29/2010 13:00	58	2.5	5.6	280	27.7	81.9	22	0.00
7/29/2010 14:00	44	3.0	6.7	294	28.5	83.3	19	0.00
7/29/2010 15:00	55	3.4	7.6	299	28.7	83.7	17	0.00
7/29/2010 16:00	50	3.2	7.2	300	28.9	84.0	17	0.00
7/29/2010 17:00	16	3.3	7.4	299	28.5	83.3	16	0.00
7/29/2010 18:00	29	2.9	6.5	294	28.0	82.4	15	0.00
7/29/2010 19:00	12	2.2	4.9	300	27.0	80.6	14	0.00
7/29/2010 20:00	15	0.9	2.0	298	24.3	75.7	20	0.00
7/29/2010 21:00	20	1.0	2.2	225	18.7	65.7	35	0.00
7/29/2010 22:00	17	1.0	2.2	253	15.2	59.4	46	0.00
7/29/2010 23:00	17	0.9	2.0	186	12.5	54.5	58	0.00
7/30/2010 0:00	16	1.3	2.9	239	11.2	52.2	60	0.00
7/30/2010 1:00	8	0.9	2.0	206	9.5	49.1	67	0.00
7/30/2010 2:00	13	1.2	2.7	232	9.6	49.3	65	0.00
7/30/2010 3:00	12	0.8	1.8	225	8.7	47.7	70	0.00
7/30/2010 4:00	22	0.9	2.0	242	7.5	45.5	73	0.00
7/30/2010 5:00	5	0.8	1.8	223	7.5	45.5	74	0.00
7/30/2010 6:00	12	1.1	2.5	238	8.2	46.8	71	0.00
7/30/2010 7:00	10	1.1	2.5	185	11.4	52.5	59	0.00
7/30/2010 8:00	36	1.2	2.7	233	15.0	59.0	52	0.00
7/30/2010 9:00	16	1.1	2.5	169	20.3	68.5	38	0.00
7/30/2010 10:00	24	0.9	2.0	158	24.3	75.7	26	0.00
7/30/2010 11:00	21	1.3	2.9	83	26.8	80.2	23	0.00
7/30/2010 12:00	22	2.1	4.7	120	28.9	84.0	20	0.00
7/30/2010 13:00	26	2.1	4.7	119	30.4	86.7	19	0.00
7/30/2010 14:00	26	2.3	5.1	123	31.1	88.0	18	0.00
7/30/2010 15:00	33	2.6	5.8	28	29.3	84.7	23	0.00
7/30/2010 16:00	71	3.1	6.9	64	26.3	79.3	34	0.00
7/30/2010 17:00	50	2.9	6.5	290	25.9	78.6	28	0.00
7/30/2010 18:00	41	2.5	5.6	266	25.7	78.3	28	0.00
7/30/2010 19:00	46	2.7	6.0	277	25.4	77.7	30	0.00
7/30/2010 20:00	22	1.8	4.0	331	23.4	74.1	33	0.00
7/30/2010 21:00	10	2.0	4.5	286	22.4	72.3	33	0.00
7/30/2010 22:00	30	1.1	2.5	242	18.6	65.5	46	0.00
7/30/2010 23:00	15	1.0	2.2	187	14.4	57.9	61	0.00
7/31/2010 0:00	15	1.2	2.7	239	13.3	55.9	63	0.00
7/31/2010 1:00	27	0.6	1.3	245	11.2	52.2	71	0.00

Date & Time Mountain Standard Time (data for hour ending)	TSP Hourly (µg/m3)	Wind Speed Hourly (meters per second)	Wind Speed Hourly (miles per hour)	Wind Direction Hourly (degrees true)	Air Temperature Hourly (Celsius)	Air Temperature Hourly (Fahrenheit)	Relative Humidity Hourly (percent)	Precipitation Hourly (inches)
7/31/2010 2:00	8	1.0	2.2	237	10.5	50.9	73	0.00
7/31/2010 3:00	-4	1.2	2.7	257	9.7	49.5	75	0.00
7/31/2010 4:00	20	1.2	2.7	208	9.9	49.8	75	0.00
7/31/2010 5:00	13	0.8	1.8	226	9.4	48.9	77	0.00
7/31/2010 6:00	19	1.5	3.4	209	13.3	55.9	63	0.00
7/31/2010 7:00	36	1.2	2.7	188	14.6	58.3	60	0.00
7/31/2010 8:00	22	1.7	3.8	131	17.0	62.6	54	0.00
7/31/2010 9:00	14	1.7	3.8	24	19.3	66.7	48	0.00
7/31/2010 10:00	19	0.9	2.0	219	23.4	74.1	37	0.00
7/31/2010 11:00	15	1.3	2.9	219	26.8	80.2	31	0.00
7/31/2010 12:00	16	1.3	2.9	180	29.7	85.5	25	0.00
7/31/2010 13:00	29	1.6	3.6	191	28.2	82.8	30	0.00
7/31/2010 14:00	213	4.0	8.9	174	21.5	70.7	53	0.00
7/31/2010 15:00	4	2.1	4.7	103	24.7	76.5	41	0.00
7/31/2010 16:00	22	1.8	4.0	70	26.6	79.9	33	0.00
7/31/2010 17:00	72	2.4	5.4	338	21.1	70.0	58	0.05
7/31/2010 18:00	24	2.7	6.0	145	21.3	70.3	57	0.00
7/31/2010 19:00	9	1.9	4.3	150	21.6	70.9	53	0.00
7/31/2010 20:00	16	1.7	3.8	151	19.1	66.4	61	0.00
7/31/2010 21:00	12	1.3	2.9	153	17.1	62.8	71	0.00
7/31/2010 22:00	-5	1.5	3.4	160	16.1	61.0	77	0.11
7/31/2010 23:00	6	1.1	2.5	197	14.4	57.9	89	0.03
8/1/2010 0:00	11	0.8	1.8	283	13.3	55.9	90	0.00

BA = Routine maintenance / repairs

Table 6
Warm Springs Site Hourly Average Data
Met One E-BAM
July 2010

Date & Time Mountain Standard Time (data for hour ending)	PM10 Hourly (µg/m3)	Wind Speed Hourly (meters per second)	Wind Speed Hourly (miles per hour)	Wind Direction Hourly (degrees true)	Air Temperature Hourly (Celsius)	Air Temperature Hourly (Fahrenheit)	Relative Humidity Hourly (percent)
7/1/2010 1:00	4	1.0	2.2	161	11.1	52.0	84
7/1/2010 2:00	11	1.0	2.2	165	9.8	49.6	88
7/1/2010 3:00	3	1.1	2.5	169	8.8	47.8	88
7/1/2010 4:00	2	0.6	1.3	217	7.6	45.7	90
7/1/2010 5:00	6	0.7	1.6	166	7.3	45.1	91
7/1/2010 6:00	5	0.9	2.0	206	8.1	46.6	89
7/1/2010 7:00	19	1.4	3.1	195	12.0	53.6	75
7/1/2010 8:00	5	1.4	3.1	207	15.5	59.9	62
7/1/2010 9:00	17	0.9	2.0	297	17.9	64.2	56
7/1/2010 10:00	4	1.2	2.7	356	19.1	66.4	55
7/1/2010 11:00	21	1.3	2.9	10	20.9	69.6	53
7/1/2010 12:00	13	1.3	2.9	263	23.2	73.8	48
7/1/2010 13:00	11	2.0	4.5	141	24.7	76.5	43
7/1/2010 14:00	-5	2.3	5.1	146	25.0	77.0	41
7/1/2010 15:00	14	1.8	4.0	67	25.3	77.5	42
7/1/2010 16:00	18	2.2	4.9	5	25.3	77.5	46
7/1/2010 17:00	-5	2.2	4.9	354	24.2	75.6	47
7/1/2010 18:00	18	2.4	5.4	355	24.5	76.1	44
7/1/2010 19:00	6	2.1	4.7	1	23.5	74.3	46
7/1/2010 20:00	-1	1.3	2.9	11	20.7	69.3	51
7/1/2010 21:00	3	1.2	2.7	62	18.9	66.0	52
7/1/2010 22:00	7	1.0	2.2	47	17.1	62.8	57
7/1/2010 23:00	-2	1.0	2.2	78	16.2	61.2	58
7/2/2010 0:00	30	1.3	2.9	326	14.6	58.3	63
7/2/2010 1:00	1	0.8	1.8	279	10.3	50.5	81
7/2/2010 2:00	5	0.5	1.1	166	8.7	47.7	87
7/2/2010 3:00	0	0.8	1.8	141	8.5	47.3	88
7/2/2010 4:00	7	1.1	2.5	151	8.3	46.9	87
7/2/2010 5:00	10	0.8	1.8	177	7.9	46.2	88
7/2/2010 6:00	18	1.3	2.9	190	8.5	47.3	85
7/2/2010 7:00	3	1.8	4.0	185	12.0	53.6	71
7/2/2010 8:00	20	1.7	3.8	41	15.3	59.5	62
7/2/2010 9:00	22	2.3	5.1	36	15.3	59.5	54
7/2/2010 10:00	6	2.1	4.7	28	15.5	59.9	53
7/2/2010 11:00	7	2.1	4.7	8	16.0	60.8	54
7/2/2010 12:00	5	1.9	4.3	12	16.2	61.2	56
7/2/2010 13:00	10	2.1	4.7	10	16.8	62.2	56
7/2/2010 14:00	19	2.3	5.1	17	18.4	65.1	51
7/2/2010 15:00	5	2.3	5.1	22	18.6	65.5	48
7/2/2010 16:00	13	2.3	5.1	16	19.3	66.7	43
7/2/2010 17:00	3	2.5	5.6	11	18.4	65.1	43
7/2/2010 18:00	2	2.3	5.1	25	16.8	62.2	46
7/2/2010 19:00	-5	2.4	5.4	8	14.9	58.8	52
7/2/2010 20:00	4	1.4	3.1	354	14.3	57.7	55
7/2/2010 21:00	-1	1.0	2.2	48	13.1	55.6	58
7/2/2010 22:00	3	0.8	1.8	65	10.9	51.6	73
7/2/2010 23:00	4	0.8	1.8	10	9.7	49.5	78
7/3/2010 0:00	3	0.9	2.0	67	9.6	49.3	77
7/3/2010 1:00	-2	0.9	2.0	103	8.9	48.0	81
7/3/2010 2:00	20	1.4	3.1	243	8.1	46.6	85
7/3/2010 3:00	-5	1.4	3.1	219	7.4	45.3	83
7/3/2010 4:00	-5	1.0	2.2	132	7.5	45.5	84
7/3/2010 5:00	10	0.9	2.0	145	7.6	45.7	84
7/3/2010 6:00	-5	1.2	2.7	175	7.5	45.5	84
7/3/2010 7:00	4	2.1	4.7	199	8.4	47.1	78
7/3/2010 8:00	6	2.3	5.1	207	9.9	49.8	72
7/3/2010 9:00	8	3.2	7.2	253	11.8	53.2	59
7/3/2010 10:00	-5	3.0	6.7	264	10.8	51.4	62
7/3/2010 11:00	18	2.9	6.5	279	13.4	56.1	52
7/3/2010 12:00	-4	2.1	4.7	261	14.2	57.6	47
7/3/2010 13:00	7	2.4	5.4	263	15.6	60.1	42
7/3/2010 14:00	4	2.3	5.1	320	16.2	61.2	43
7/3/2010 15:00	3	1.9	4.3	342	16.5	61.7	42
7/3/2010 16:00	11	1.3	2.9	34	17.5	63.5	38
7/3/2010 17:00	-3	1.5	3.4	23	16.8	62.2	40
7/3/2010 18:00	5	1.3	2.9	24	17.7	63.9	38
7/3/2010 19:00	-5	1.4	3.1	33	16.1	61.0	42
7/3/2010 20:00	5	1.2	2.7	55	14.8	58.6	45
7/3/2010 21:00	-5	1.0	2.2	68	11.6	52.9	55
7/3/2010 22:00	3	0.5	1.1	9	9.2	48.6	64
7/3/2010 23:00	-5	0.8	1.8	273	5.7	42.3	79
7/4/2010 0:00	33	0.6	1.3	143	4.9	40.8	84
7/4/2010 1:00	-1	0.8	1.8	198	4.0	39.2	87
7/4/2010 2:00	-5	1.4	3.1	189	4.8	40.6	84
7/4/2010 3:00	4	1.1	2.5	152	4.3	39.7	84
7/4/2010 4:00	5	1.0	2.2	147	3.9	39.0	84

Date & Time Mountain Standard Time (data for hour ending)	PM10 Hourly (µg/m3)	Wind Speed Hourly (meters per second)	Wind Speed Hourly (miles per hour)	Wind Direction Hourly (degrees true)	Air Temperature Hourly (Celsius)	Air Temperature Hourly (Fahrenheit)	Relative Humidity Hourly (percent)
7/4/2010 5:00	-3	1.6	3.6	181	3.9	39.0	83
7/4/2010 6:00	0	1.7	3.8	170	4.3	39.7	82
7/4/2010 7:00	11	2.2	4.9	162	7.9	46.2	69
7/4/2010 8:00	6	2.8	6.3	185	11.4	52.5	54
7/4/2010 9:00	5	2.7	6.0	183	13.9	57.0	48
7/4/2010 10:00	9	2.3	5.1	171	15.9	60.6	41
7/4/2010 11:00	4	1.9	4.3	112	16.9	62.4	39
7/4/2010 12:00	3	1.7	3.8	103	18.2	64.8	37
7/4/2010 13:00	8	1.6	3.6	319	19.2	66.6	35
7/4/2010 14:00	1	1.6	3.6	104	20.5	68.9	34
7/4/2010 15:00	8	2.3	5.1	328	21.4	70.5	32
7/4/2010 16:00	-5	4.1	9.2	305	20.2	68.4	31
7/4/2010 17:00	-2	3.9	8.7	305	19.2	66.6	33
7/4/2010 18:00	8	5.1	11.4	291	19.1	66.4	33
7/4/2010 19:00	10	3.7	8.3	285	18.4	65.1	35
7/4/2010 20:00	-4	3.5	7.8	279	16.8	62.2	38
7/4/2010 21:00	2	2.2	4.9	254	15.3	59.5	43
7/4/2010 22:00	2	2.3	5.1	290	13.3	55.9	54
7/4/2010 23:00	0	2.3	5.1	233	11.5	52.7	63
7/5/2010 0:00	16	1.8	4.0	272	11.9	53.4	61
7/5/2010 1:00	0	1.5	3.4	245	10.5	50.9	67
7/5/2010 2:00	8	1.3	2.9	253	9.8	49.6	67
7/5/2010 3:00	4	1.5	3.4	335	8.3	46.9	75
7/5/2010 4:00	-5	1.3	2.9	328	8.6	47.5	76
7/5/2010 5:00	2	1.2	2.7	73	7.3	45.1	82
7/5/2010 6:00	17	1.0	2.2	298	7.5	45.5	82
7/5/2010 7:00	-5	1.4	3.1	170	9.7	49.5	70
7/5/2010 8:00	15	2.6	5.8	203	13.0	55.4	53
7/5/2010 9:00	1	3.8	8.5	244	13.3	55.9	50
7/5/2010 10:00	-1	4.1	9.2	243	13.9	57.0	44
7/5/2010 11:00	21	4.2	9.4	260	14.9	58.8	39
7/5/2010 12:00	-1	3.4	7.6	299	14.9	58.8	41
7/5/2010 13:00	10	3.0	6.7	318	15.0	59.0	42
7/5/2010 14:00	0	1.9	4.3	359	15.5	59.9	43
7/5/2010 15:00	1	1.4	3.1	1	15.1	59.2	45
7/5/2010 16:00	13	1.1	2.5	22	15.4	59.7	43
7/5/2010 17:00	0	1.0	2.2	49	15.7	60.3	41
7/5/2010 18:00	2	1.4	3.1	2	15.1	59.2	44
7/5/2010 19:00	-5	2.4	5.4	7	14.0	57.2	50
7/5/2010 20:00	26	2.4	5.4	35	11.7	53.1	59
7/5/2010 21:00	-5	1.0	2.2	69	9.2	48.6	66
7/5/2010 22:00	-5	1.0	2.2	325	6.9	44.4	76
7/5/2010 23:00	24	0.8	1.8	265	4.2	39.6	86
7/6/2010 0:00	21	0.7	1.6	272	3.3	37.9	88
7/6/2010 1:00	-5	0.5	1.1	144	2.6	36.7	90
7/6/2010 2:00	4	0.5	1.1	279	2.6	36.7	90
7/6/2010 3:00	5	0.8	1.8	176	2.7	36.9	89
7/6/2010 4:00	-4	1.2	2.7	191	3.1	37.6	88
7/6/2010 5:00	2	1.1	2.5	159	2.8	37.0	88
7/6/2010 6:00	4	0.7	1.6	302	2.5	36.5	89
7/6/2010 7:00	11	0.5	1.1	268	5.1	41.2	83
7/6/2010 8:00	3	1.2	2.7	205	8.1	46.6	72
7/6/2010 9:00	1	1.3	2.9	126	11.6	52.9	59
7/6/2010 10:00	12	1.4	3.1	144	13.6	56.5	51
7/6/2010 11:00	-1	1.6	3.6	356	14.6	58.3	49
7/6/2010 12:00	4	1.6	3.6	7	16.1	61.0	44
7/6/2010 13:00	13	2.6	5.8	321	17.2	63.0	43
7/6/2010 14:00	-4	3.6	8.1	264	17.1	62.8	47
7/6/2010 15:00	17	1.8	4.0	281	17.8	64.0	40
7/6/2010 16:00	0	2.2	4.9	344	18.0	64.4	43
7/6/2010 17:00	27	1.7	3.8	2	18.8	65.8	39
7/6/2010 18:00	2	1.7	3.8	352	18.9	66.0	38
7/6/2010 19:00	-5	1.9	4.3	345	17.9	64.2	41
7/6/2010 20:00	4	1.4	3.1	341	15.6	60.1	51
7/6/2010 21:00	1	1.0	2.2	331	10.1	50.2	73
7/6/2010 22:00	0	0.8	1.8	281	9.2	48.6	75
7/6/2010 23:00	-5	0.5	1.1	190	7.3	45.1	82
7/7/2010 0:00	16	0.8	1.8	132	6.3	43.3	87
7/7/2010 1:00	16	1.2	2.7	163	6.4	43.5	84
7/7/2010 2:00	-2	1.2	2.7	160	5.8	42.4	83
7/7/2010 3:00	10	1.1	2.5	165	5.7	42.3	83
7/7/2010 4:00	9	1.3	2.9	189	5.4	41.7	84
7/7/2010 5:00	-5	1.3	2.9	193	4.5	40.1	85
7/7/2010 6:00	8	1.4	3.1	197	4.9	40.8	84
7/7/2010 7:00	8	1.7	3.8	194	8.2	46.8	72
7/7/2010 8:00	4	1.6	3.6	194	11.4	52.5	60
7/7/2010 9:00	16	1.0	2.2	210	14.5	58.1	52
7/7/2010 10:00	14	1.2	2.7	126	17.0	62.6	48
7/7/2010 11:00	12	1.4	3.1	211	18.8	65.8	41
7/7/2010 12:00	6	1.5	3.4	279	20.2	68.4	32
7/7/2010 13:00	8	1.6	3.6	266	21.6	70.9	27

Date & Time Mountain Standard Time (data for hour ending)	PM10 Hourly (µg/m3)	Wind Speed Hourly (meters per second)	Wind Speed Hourly (miles per hour)	Wind Direction Hourly (degrees true)	Air Temperature Hourly (Celsius)	Air Temperature Hourly (Fahrenheit)	Relative Humidity Hourly (percent)
7/7/2010 14:00	3	1.6	3.6	277	22.2	72.0	23
7/7/2010 15:00	4	1.4	3.1	237	23.3	73.9	19
7/7/2010 16:00	8	1.3	2.9	65	23.8	74.8	19
7/7/2010 17:00	-4	2.0	4.5	341	23.6	74.5	21
7/7/2010 18:00	-1	1.8	4.0	345	23.3	73.9	29
7/7/2010 19:00	-1	2.1	4.7	340	22.2	72.0	34
7/7/2010 20:00	1	1.8	4.0	339	19.7	67.5	45
7/7/2010 21:00	6	0.9	2.0	302	15.0	59.0	61
7/7/2010 22:00	-5	1.5	3.4	279	11.9	53.4	66
7/7/2010 23:00	13	1.0	2.2	282	10.6	51.1	68
7/8/2010 0:00	29	0.5	1.1	208	7.8	46.0	82
7/8/2010 1:00	-4	0.8	1.8	141	8.0	46.4	76
7/8/2010 2:00	-3	1.1	2.5	160	7.7	45.9	75
7/8/2010 3:00	19	0.9	2.0	138	6.4	43.5	79
7/8/2010 4:00	-2	1.1	2.5	179	5.8	42.4	79
7/8/2010 5:00	11	1.5	3.4	188	6.0	42.8	76
7/8/2010 6:00	-2	1.7	3.8	192	6.9	44.4	72
7/8/2010 7:00	8	2.0	4.5	185	10.2	50.4	61
7/8/2010 8:00	16	2.0	4.5	190	14.6	58.3	49
7/8/2010 9:00	20	1.5	3.4	209	18.6	65.5	39
7/8/2010 10:00	14	1.1	2.5	297	21.4	70.5	32
7/8/2010 11:00	6	1.2	2.7	114	23.4	74.1	26
7/8/2010 12:00	5	1.4	3.1	122	24.4	75.9	21
7/8/2010 13:00	2	1.6	3.6	142	25.5	77.9	20
7/8/2010 14:00	7	1.5	3.4	127	26.2	79.2	20
7/8/2010 15:00	8	1.5	3.4	108	26.9	80.4	20
7/8/2010 16:00	12	1.2	2.7	42	27.4	81.3	19
7/8/2010 17:00	-5	1.8	4.0	336	27.0	80.6	22
7/8/2010 18:00	7	1.8	4.0	346	26.5	79.7	25
7/8/2010 19:00	4	1.6	3.6	346	25.3	77.5	29
7/8/2010 20:00	4	1.3	2.9	334	22.3	72.1	45
7/8/2010 21:00	6	0.5	1.1	335	18.0	64.4	60
7/8/2010 22:00	0	0.9	2.0	277	13.6	56.5	72
7/8/2010 23:00	10	0.7	1.6	200	11.7	53.1	72
7/9/2010 0:00	27	1.4	3.1	165	12.0	53.6	71
7/9/2010 1:00	5	1.5	3.4	143	11.3	52.3	72
7/9/2010 2:00	16	0.9	2.0	145	10.3	50.5	75
7/9/2010 3:00	5	1.6	3.6	180	10.1	50.2	74
7/9/2010 4:00	10	1.7	3.8	174	10.0	50.0	72
7/9/2010 5:00	1	1.6	3.6	158	9.1	48.4	72
7/9/2010 6:00	15	2.2	4.9	190	9.9	49.8	68
7/9/2010 7:00	6	2.3	5.1	198	13.3	55.9	56
7/9/2010 8:00	26	2.3	5.1	196	17.4	63.3	46
7/9/2010 9:00	20	2.3	5.1	200	21.4	70.5	37
7/9/2010 10:00	6	2.3	5.1	169	24.8	76.6	31
7/9/2010 11:00	14	2.1	4.7	153	26.9	80.4	25
7/9/2010 12:00	4	2.8	6.3	167	28.3	82.9	22
7/9/2010 13:00	10	2.9	6.5	178	29.4	84.9	15
7/9/2010 14:00	5	2.2	4.9	268	28.9	84.0	21
7/9/2010 15:00	25	2.1	4.7	353	30.2	86.4	22
7/9/2010 16:00	4	1.9	4.3	356	29.6	85.3	21
7/9/2010 17:00	15	1.9	4.3	358	29.8	85.6	23
7/9/2010 18:00	9	1.4	3.1	358	27.6	81.7	32
7/9/2010 19:00	3	1.1	2.5	86	25.6	78.1	37
7/9/2010 20:00	6	2.9	6.5	156	24.6	76.3	34
7/9/2010 21:00	-5	2.7	6.0	181	23.1	73.6	35
7/9/2010 22:00	5	2.8	6.3	186	22.1	71.8	37
7/9/2010 23:00	11	1.4	3.1	169	18.8	65.8	48
7/10/2010 0:00	18	1.2	2.7	157	17.5	63.5	50
7/10/2010 1:00	13	2.0	4.5	184	16.5	61.7	55
7/10/2010 2:00	12	1.3	2.9	185	13.4	56.1	68
7/10/2010 3:00	13	1.2	2.7	123	11.8	53.2	71
7/10/2010 4:00	4	2.0	4.5	183	12.0	53.6	70
7/10/2010 5:00	-2	1.8	4.0	180	10.9	51.6	73
7/10/2010 6:00	26	1.9	4.3	177	12.0	53.6	69
7/10/2010 7:00	10	2.5	5.6	195	14.5	58.1	60
7/10/2010 8:00	17	2.7	6.0	184	18.4	65.1	49
7/10/2010 9:00	16	2.6	5.8	183	21.8	71.2	39
7/10/2010 10:00	15	2.3	5.1	188	24.4	75.9	34
7/10/2010 11:00	19	3.0	6.7	313	25.8	78.4	28
7/10/2010 12:00	13	1.4	3.1	25	26.4	79.5	27
7/10/2010 13:00	21	2.7	6.0	225	22.7	72.9	41
7/10/2010 14:00	-5	2.6	5.8	172	19.2	66.6	62
7/10/2010 15:00	32	2.9	6.5	245	18.5	65.3	61
7/10/2010 16:00	-5	1.9	4.3	122	17.0	62.6	69
7/10/2010 17:00	18	2.6	5.8	221	17.7	63.9	65
7/10/2010 18:00	14	2.9	6.5	183	17.5	63.5	64
7/10/2010 19:00	4	2.7	6.0	171	18.2	64.8	59
7/10/2010 20:00	14	1.8	4.0	160	17.7	63.9	61
7/10/2010 21:00	-2	3.1	6.9	138	16.7	62.1	66
7/10/2010 22:00	13	2.9	6.5	208	17.0	62.6	63

Date & Time Mountain Standard Time (data for hour ending)	PM10 Hourly (µg/m3)	Wind Speed Hourly (meters per second)	Wind Speed Hourly (miles per hour)	Wind Direction Hourly (degrees true)	Air Temperature Hourly (Celsius)	Air Temperature Hourly (Fahrenheit)	Relative Humidity Hourly (percent)
7/10/2010 23:00	3	3.4	7.6	169	16.5	61.7	65
7/11/2010 0:00	-5	2.1	4.7	198	15.3	59.5	70
7/11/2010 1:00	7	1.7	3.8	207	13.6	56.5	76
7/11/2010 2:00	9	2.1	4.7	178	13.4	56.1	78
7/11/2010 3:00	-2	2.1	4.7	173	13.0	55.4	77
7/11/2010 4:00	2	1.2	2.7	170	12.0	53.6	80
7/11/2010 5:00	21	0.6	1.3	11	9.9	49.8	86
7/11/2010 6:00	8	0.6	1.3	351	10.1	50.2	86
7/11/2010 7:00	17	1.3	2.9	183	12.4	54.3	81
7/11/2010 8:00	7	1.4	3.1	201	15.3	59.5	66
7/11/2010 9:00	9	1.6	3.6	199	18.0	64.4	56
7/11/2010 10:00	12	1.1	2.5	162	19.6	67.3	52
7/11/2010 11:00	38	0.9	2.0	112	21.5	70.7	48
7/11/2010 12:00	18	1.3	2.9	100	24.1	75.4	38
7/11/2010 13:00	6	1.3	2.9	348	23.8	74.8	42
7/11/2010 14:00	13	1.7	3.8	343	23.9	75.0	43
7/11/2010 15:00	3	1.1	2.5	10	24.1	75.4	40
7/11/2010 16:00	83	1.1	2.5	241	25.7	78.3	33
7/11/2010 17:00	3	0.8	1.8	344	24.8	76.6	37
7/11/2010 18:00	11	0.8	1.8	296	23.9	75.0	41
7/11/2010 19:00	6	0.9	2.0	34	23.0	73.4	45
7/11/2010 20:00	-3	0.9	2.0	78	21.6	70.9	46
7/11/2010 21:00	15	0.5	1.1	82	20.0	68.0	50
7/11/2010 22:00	9	0.7	1.6	293	14.8	58.6	76
7/11/2010 23:00	-5	0.6	1.3	190	13.0	55.4	80
7/12/2010 0:00	31	1.3	2.9	155	13.6	56.5	76
7/12/2010 1:00	3	1.6	3.6	179	13.5	56.3	73
7/12/2010 2:00	16	2.0	4.5	177	13.1	55.6	73
7/12/2010 3:00	7	1.3	2.9	174	12.4	54.3	74
7/12/2010 4:00	15	1.3	2.9	173	12.2	54.0	74
7/12/2010 5:00	12	1.9	4.3	181	12.2	54.0	72
7/12/2010 6:00	17	1.6	3.6	165	12.5	54.5	71
7/12/2010 7:00	12	2.1	4.7	177	16.2	61.2	58
7/12/2010 8:00	25	2.9	6.5	187	19.5	67.1	48
7/12/2010 9:00	16	3.1	6.9	193	21.8	71.2	43
7/12/2010 10:00	22	2.3	5.1	223	23.6	74.5	38
7/12/2010 11:00	11	3.5	7.8	265	24.1	75.4	35
7/12/2010 12:00	23	4.4	9.8	281	25.3	77.5	31
7/12/2010 13:00	17	3.5	7.8	279	26.5	79.7	27
7/12/2010 14:00	15	5.2	11.6	282	26.7	80.1	26
7/12/2010 15:00	17	6.0	13.4	281	26.6	79.9	25
7/12/2010 16:00	24	6.5	14.5	280	26.4	79.5	22
7/12/2010 17:00	17	6.3	14.1	270	26.0	78.8	21
7/12/2010 18:00	9	6.0	13.4	272	25.1	77.2	20
7/12/2010 19:00	5	6.3	14.1	268	23.8	74.8	17
7/12/2010 20:00	11	4.7	10.5	275	22.1	71.8	20
7/12/2010 21:00	-4	3.3	7.4	284	19.5	67.1	22
7/12/2010 22:00	1	3.5	7.8	281	18.6	65.5	23
7/12/2010 23:00	5	3.1	6.9	291	16.9	62.4	26
7/13/2010 0:00	26	3.8	8.5	301	16.1	61.0	25
7/13/2010 1:00	16	4.1	9.2	300	15.3	59.5	27
7/13/2010 2:00	20	5.4	12.1	296	14.8	58.6	27
7/13/2010 3:00	20	4.5	10.1	291	13.3	55.9	32
7/13/2010 4:00	17	2.1	4.7	278	10.8	51.4	41
7/13/2010 5:00	4	1.1	2.5	179	9.7	49.5	46
7/13/2010 6:00	21	1.2	2.7	154	9.7	49.5	49
7/13/2010 7:00	12	4.0	8.9	292	11.5	52.7	45
7/13/2010 8:00	19	5.7	12.8	289	13.0	55.4	42
7/13/2010 9:00	16	4.4	9.8	279	14.2	57.6	40
7/13/2010 10:00	13	5.4	12.1	299	15.2	59.4	37
7/13/2010 11:00	12	5.5	12.3	296	16.3	61.3	35
7/13/2010 12:00	9	5.9	13.2	288	17.2	63.0	32
7/13/2010 13:00	13	5.9	13.2	282	17.7	63.9	31
7/13/2010 14:00	7	6.4	14.3	291	18.2	64.8	29
7/13/2010 15:00	14	6.5	14.5	289	18.5	65.3	27
7/13/2010 16:00	10	6.3	14.1	292	18.7	65.7	26
7/13/2010 17:00	8	5.0	11.2	293	18.8	65.8	24
7/13/2010 18:00	6	4.3	9.6	307	18.2	64.8	25
7/13/2010 19:00	0	3.9	8.7	321	16.6	61.9	29
7/13/2010 20:00	5	2.1	4.7	349	14.5	58.1	36
7/13/2010 21:00	-4	3.0	6.7	319	11.7	53.1	43
7/13/2010 22:00	-2	2.7	6.0	312	10.4	50.7	42
7/13/2010 23:00	-5	1.8	4.0	277	8.3	46.9	48
7/14/2010 0:00	12	1.5	3.4	252	6.3	43.3	58
7/14/2010 1:00	5	2.0	4.5	248	6.3	43.3	58
7/14/2010 2:00	9	2.1	4.7	251	6.6	43.9	58
7/14/2010 3:00	0	2.4	5.4	240	7.2	45.0	56
7/14/2010 4:00	1	2.2	4.9	258	7.2	45.0	58
7/14/2010 5:00	15	1.2	2.7	239	6.0	42.8	63
7/14/2010 6:00	-3	1.5	3.4	161	5.5	41.9	65

Date & Time Mountain Standard Time (data for hour ending)	PM10 Hourly (µg/m3)	Wind Speed Hourly (meters per second)	Wind Speed Hourly (miles per hour)	Wind Direction Hourly (degrees true)	Air Temperature Hourly (Celsius)	Air Temperature Hourly (Fahrenheit)	Relative Humidity Hourly (percent)
7/14/2010 7:00	-5	2.1	4.7	168	8.5	47.3	55
7/14/2010 8:00	16	2.5	5.6	170	12.0	53.6	45
7/14/2010 9:00	4	2.4	5.4	162	14.0	57.2	42
7/14/2010 10:00	12	1.7	3.8	155	15.9	60.6	39
7/14/2010 11:00	10	2.3	5.1	117	17.1	62.8	39
7/14/2010 12:00	15	1.6	3.6	33	18.8	65.8	37
7/14/2010 13:00	6	1.9	4.3	3	19.8	67.6	37
7/14/2010 14:00	5	1.9	4.3	349	20.6	69.1	37
7/14/2010 15:00	10	1.5	3.4	11	21.7	71.1	36
7/14/2010 16:00	4	1.6	3.6	0	22.4	72.3	35
7/14/2010 17:00	5	2.0	4.5	345	22.6	72.7	35
7/14/2010 18:00	9	1.6	3.6	351	23.2	73.8	34
7/14/2010 19:00	-5	1.6	3.6	349	22.2	72.0	37
7/14/2010 20:00	7	1.0	2.2	346	20.5	68.9	43
7/14/2010 21:00	-5	0.9	2.0	317	15.7	60.3	58
7/14/2010 22:00	9	0.8	1.8	266	11.3	52.3	73
7/14/2010 23:00	-5	0.7	1.6	239	9.4	48.9	80
7/15/2010 0:00	14	1.4	3.1	144	10.5	50.9	76
7/15/2010 1:00	11	1.5	3.4	142	9.5	49.1	78
7/15/2010 2:00	5	0.9	2.0	190	8.6	47.5	79
7/15/2010 3:00	12	1.2	2.7	157	8.7	47.7	78
7/15/2010 4:00	5	1.1	2.5	198	8.3	46.9	77
7/15/2010 5:00	3	1.1	2.5	168	7.5	45.5	81
7/15/2010 6:00	13	2.5	5.6	190	8.4	47.1	77
7/15/2010 7:00	7	2.2	4.9	198	11.3	52.3	67
7/15/2010 8:00	9	2.3	5.1	188	16.0	60.8	52
7/15/2010 9:00	12	2.6	5.8	186	19.1	66.4	43
7/15/2010 10:00	13	2.3	5.1	181	21.7	71.1	35
7/15/2010 11:00	3	1.7	3.8	147	23.3	73.9	31
7/15/2010 12:00	19	1.6	3.6	25	24.3	75.7	33
7/15/2010 13:00	6	1.5	3.4	6	25.3	77.5	31
7/15/2010 14:00	3	1.5	3.4	348	26.3	79.3	28
7/15/2010 15:00	16	1.3	2.9	70	27.6	81.7	25
7/15/2010 16:00	7	1.4	3.1	325	28.2	82.8	22
7/15/2010 17:00	-2	1.4	3.1	5	28.5	83.3	23
7/15/2010 18:00	-1	1.3	2.9	331	28.1	82.6	23
7/15/2010 19:00	6	1.2	2.7	330	26.9	80.4	29
7/15/2010 20:00	5	0.8	1.8	302	24.2	75.6	43
7/15/2010 21:00	-5	0.8	1.8	13	19.8	67.6	43
7/15/2010 22:00	8	0.7	1.6	140	15.8	60.4	58
7/15/2010 23:00	2	1.1	2.5	138	14.7	58.5	62
7/16/2010 0:00	28	1.5	3.4	162	13.7	56.7	59
7/16/2010 1:00	8	1.2	2.7	190	13.0	55.4	60
7/16/2010 2:00	4	1.3	2.9	167	11.8	53.2	63
7/16/2010 3:00	5	1.3	2.9	167	11.3	52.3	64
7/16/2010 4:00	14	1.8	4.0	176	11.6	52.9	63
7/16/2010 5:00	6	1.8	4.0	191	11.5	52.7	62
7/16/2010 6:00	11	1.6	3.6	202	11.6	52.9	61
7/16/2010 7:00	9	1.9	4.3	196	14.8	58.6	50
7/16/2010 8:00	22	2.4	5.4	194	19.6	67.3	43
7/16/2010 9:00	15	2.8	6.3	185	23.8	74.8	32
7/16/2010 10:00	5	3.2	7.2	188	25.7	78.3	27
7/16/2010 11:00	8	4.0	8.9	187	27.4	81.3	22
7/16/2010 12:00	9	5.4	12.1	200	28.9	84.0	20
7/16/2010 13:00	BA	BA	BA	BA	30.0	86.0	18
7/16/2010 14:00	45	4.9	11.0	217	31.1	88.0	16
7/16/2010 15:00	12	3.8	8.5	247	31.1	88.0	17
7/16/2010 16:00	2	3.6	8.1	238	31.7	89.1	16
7/16/2010 17:00	15	2.1	4.7	269	30.8	87.4	19
7/16/2010 18:00	6	4.2	9.4	288	30.2	86.4	16
7/16/2010 19:00	9	3.2	7.2	310	28.4	83.1	23
7/16/2010 20:00	8	1.3	2.9	347	25.4	77.7	28
7/16/2010 21:00	-1	1.3	2.9	38	23.3	73.9	26
7/16/2010 22:00	-4	1.0	2.2	57	20.3	68.5	34
7/16/2010 23:00	17	0.7	1.6	33	18.8	65.8	40
7/17/2010 0:00	18	0.8	1.8	283	12.9	55.2	57
7/17/2010 1:00	6	0.8	1.8	231	10.4	50.7	68
7/17/2010 2:00	9	0.9	2.0	164	11.5	52.7	53
7/17/2010 3:00	-5	0.7	1.6	326	8.7	47.7	66
7/17/2010 4:00	14	0.8	1.8	157	8.3	46.9	75
7/17/2010 5:00	28	0.9	2.0	162	8.8	47.8	74
7/17/2010 6:00	7	1.2	2.7	137	8.7	47.7	68
7/17/2010 7:00	8	0.9	2.0	165	13.0	55.4	53
7/17/2010 8:00	17	1.4	3.1	202	18.0	64.4	43
7/17/2010 9:00	21	0.9	2.0	322	20.9	69.6	36
7/17/2010 10:00	12	1.6	3.6	360	22.6	72.7	30
7/17/2010 11:00	8	1.6	3.6	5	24.2	75.6	27
7/17/2010 12:00	13	1.7	3.8	358	25.5	77.9	26
7/17/2010 13:00	5	1.4	3.1	10	26.9	80.4	25
7/17/2010 14:00	7	1.6	3.6	2	28.4	83.1	22
7/17/2010 15:00	6	1.7	3.8	351	29.0	84.2	22

Date & Time Mountain Standard Time (data for hour ending)	PM10 Hourly (µg/m3)	Wind Speed Hourly (meters per second)	Wind Speed Hourly (miles per hour)	Wind Direction Hourly (degrees true)	Air Temperature Hourly (Celsius)	Air Temperature Hourly (Fahrenheit)	Relative Humidity Hourly (percent)
7/17/2010 16:00	4	1.8	4.0	35	29.7	85.5	18
7/17/2010 17:00	4	2.4	5.4	307	30.1	86.2	18
7/17/2010 18:00	1	2.9	6.5	301	28.7	83.7	22
7/17/2010 19:00	0	3.2	7.2	321	26.8	80.2	23
7/17/2010 20:00	3	1.6	3.6	8	24.5	76.1	27
7/17/2010 21:00	-5	1.2	2.7	45	22.5	72.5	26
7/17/2010 22:00	2	1.1	2.5	323	17.6	63.7	41
7/17/2010 23:00	3	0.8	1.8	260	12.5	54.5	62
7/18/2010 0:00	11	1.3	2.9	199	13.6	56.5	54
7/18/2010 1:00	13	1.1	2.5	147	12.1	53.8	59
7/18/2010 2:00	5	1.2	2.7	150	10.8	51.4	AN
7/18/2010 3:00	1	1.0	2.2	146	10.5	50.9	AN
7/18/2010 4:00	8	1.3	2.9	188	10.0	50.0	AN
7/18/2010 5:00	4	1.6	3.6	198	10.1	50.2	AN
7/18/2010 6:00	7	1.3	2.9	195	9.9	49.8	AN
7/18/2010 7:00	0	1.9	4.3	199	13.4	56.1	AN
7/18/2010 8:00	21	1.8	4.0	198	17.7	63.9	AN
7/18/2010 9:00	10	1.0	2.2	141	21.0	69.8	AN
7/18/2010 10:00	18	1.4	3.1	3	22.6	72.7	AN
7/18/2010 11:00	9	1.6	3.6	11	23.8	74.8	AN
7/18/2010 12:00	10	1.8	4.0	7	25.5	77.9	AN
7/18/2010 13:00	8	1.9	4.3	5	27.4	81.3	AN
7/18/2010 14:00	7	1.8	4.0	28	27.9	82.2	AN
7/18/2010 15:00	3	1.9	4.3	12	27.6	81.7	AN
7/18/2010 16:00	7	2.0	4.5	6	27.4	81.3	AN
7/18/2010 17:00	7	1.6	3.6	359	25.1	77.2	AN
7/18/2010 18:00	11	1.7	3.8	360	25.5	77.9	AN
7/18/2010 19:00	11	1.4	3.1	3	24.6	76.3	AN
7/18/2010 20:00	5	0.9	2.0	2	22.2	72.0	AN
7/18/2010 21:00	-3	0.9	2.0	306	16.8	62.2	AN
7/18/2010 22:00	1	1.1	2.5	305	14.8	58.6	AN
7/18/2010 23:00	10	1.0	2.2	300	13.2	55.8	AN
7/19/2010 0:00	11	0.8	1.8	235	10.8	51.4	AN
7/19/2010 1:00	8	1.3	2.9	154	11.9	53.4	AN
7/19/2010 2:00	8	0.8	1.8	193	10.0	50.0	AN
7/19/2010 3:00	12	0.7	1.6	141	8.4	47.1	AN
7/19/2010 4:00	-5	0.7	1.6	117	7.3	45.1	AN
7/19/2010 5:00	16	0.9	2.0	165	6.8	44.2	AN
7/19/2010 6:00	-5	0.9	2.0	145	6.7	44.1	AN
7/19/2010 7:00	6	0.7	1.6	206	10.7	51.3	AN
7/19/2010 8:00	17	0.7	1.6	156	16.1	61.0	AN
7/19/2010 9:00	21	1.0	2.2	1	18.5	65.3	AN
7/19/2010 10:00	9	1.5	3.4	18	20.4	68.7	AN
7/19/2010 11:00	16	1.6	3.6	25	21.8	71.2	AN
7/19/2010 12:00	13	1.6	3.6	39	23.4	74.1	AN
7/19/2010 13:00	12	1.7	3.8	357	24.1	75.4	AN
7/19/2010 14:00	9	1.7	3.8	29	25.3	77.5	AN
7/19/2010 15:00	9	1.8	4.0	13	25.7	78.3	AN
7/19/2010 16:00	6	1.8	4.0	18	25.9	78.6	AN
7/19/2010 17:00	5	1.9	4.3	16	25.6	78.1	AN
7/19/2010 18:00	11	1.9	4.3	8	24.8	76.6	AN
7/19/2010 19:00	4	1.4	3.1	15	23.7	74.7	AN
7/19/2010 20:00	-2	1.1	2.5	65	21.4	70.5	AN
7/19/2010 21:00	-3	1.0	2.2	68	18.3	64.9	AN
7/19/2010 22:00	1	1.0	2.2	327	14.8	58.6	AN
7/19/2010 23:00	11	0.8	1.8	279	9.9	49.8	AN
7/20/2010 0:00	38	0.5	1.1	251	7.9	46.2	AN
7/20/2010 1:00	-1	0.8	1.8	313	8.8	47.8	AN
7/20/2010 2:00	23	0.4	0.9	68	10.0	50.0	AN
7/20/2010 3:00	15	0.6	1.3	120	7.9	46.2	AN
7/20/2010 4:00	-5	0.5	1.1	257	5.9	42.6	AN
7/20/2010 5:00	7	0.8	1.8	181	5.0	41.0	AN
7/20/2010 6:00	93	1.0	2.2	174	5.4	41.7	AN
7/20/2010 7:00	22	1.0	2.2	192	9.5	49.1	AN
7/20/2010 8:00	6	0.9	2.0	186	13.5	56.3	AN
7/20/2010 9:00	17	1.1	2.5	168	16.1	61.0	AN
7/20/2010 10:00	6	1.1	2.5	305	18.1	64.6	AN
7/20/2010 11:00	14	1.3	2.9	4	20.4	68.7	AN
7/20/2010 12:00	15	1.5	3.4	10	22.1	71.8	AN
7/20/2010 13:00	17	1.7	3.8	353	23.7	74.7	AN
7/20/2010 14:00	6	2.0	4.5	331	24.9	76.8	AN
7/20/2010 15:00	10	2.4	5.4	341	26.0	78.8	AN
7/20/2010 16:00	7	1.9	4.3	2	26.6	79.9	AN
7/20/2010 17:00	16	2.2	4.9	352	26.6	79.9	AN
7/20/2010 18:00	7	2.6	5.8	348	25.4	77.7	AN
7/20/2010 19:00	12	2.9	6.5	344	23.7	74.7	AN
7/20/2010 20:00	4	3.2	7.2	337	20.8	69.4	AN
7/20/2010 21:00	-2	3.1	6.9	335	17.9	64.2	AN
7/20/2010 22:00	7	2.3	5.1	339	16.8	62.2	AN
7/20/2010 23:00	6	1.2	2.7	0	15.2	59.4	AN
7/21/2010 0:00	27	1.6	3.6	346	14.5	58.1	AN

Date & Time Mountain Standard Time (data for hour ending)	PM10 Hourly (µg/m3)	Wind Speed Hourly (meters per second)	Wind Speed Hourly (miles per hour)	Wind Direction Hourly (degrees true)	Air Temperature Hourly (Celsius)	Air Temperature Hourly (Fahrenheit)	Relative Humidity Hourly (percent)
7/21/2010 1:00	6	0.5	1.1	59	12.9	55.2	AN
7/21/2010 2:00	14	0.4	0.9	136	11.4	52.5	AN
7/21/2010 3:00	1	1.0	2.2	184	9.5	49.1	AN
7/21/2010 4:00	10	1.2	2.7	202	9.1	48.4	AN
7/21/2010 5:00	0	0.9	2.0	166	8.1	46.6	AN
7/21/2010 6:00	10	1.2	2.7	182	7.9	46.2	AN
7/21/2010 7:00	22	1.3	2.9	177	11.6	52.9	AN
7/21/2010 8:00	12	1.2	2.7	186	15.8	60.4	AN
7/21/2010 9:00	15	1.1	2.5	335	17.7	63.9	AN
7/21/2010 10:00	15	1.3	2.9	357	19.2	66.6	AN
7/21/2010 11:00	19	1.6	3.6	12	20.8	69.4	AN
7/21/2010 12:00	17	1.6	3.6	0	22.3	72.1	AN
7/21/2010 13:00	18	1.9	4.3	340	23.2	73.8	AN
7/21/2010 14:00	-2	2.1	4.7	330	20.8	69.4	AN
7/21/2010 15:00	-5	1.4	3.1	322	17.8	64.0	AN
7/21/2010 16:00	17	2.2	4.9	315	20.9	69.6	AN
7/21/2010 17:00	9	1.2	2.7	358	21.4	70.5	AN
7/21/2010 18:00	15	1.6	3.6	308	20.4	68.7	AN
7/21/2010 19:00	-5	2.2	4.9	316	16.0	60.8	AN
7/21/2010 20:00	19	1.4	3.1	176	14.3	57.7	AN
7/21/2010 21:00	-4	1.0	2.2	231	12.4	54.3	AN
7/21/2010 22:00	14	0.6	1.3	275	10.4	50.7	AN
7/21/2010 23:00	-1	0.6	1.3	312	9.3	48.7	AN
7/22/2010 0:00	13	0.8	1.8	237	8.0	46.4	AN
7/22/2010 1:00	6	1.3	2.9	171	9.2	48.6	AN
7/22/2010 2:00	5	1.3	2.9	146	8.9	48.0	AN
7/22/2010 3:00	5	1.4	3.1	189	9.6	49.3	AN
7/22/2010 4:00	8	1.1	2.5	195	8.8	47.8	AN
7/22/2010 5:00	10	1.3	2.9	163	7.9	46.2	AN
7/22/2010 6:00	20	2.0	4.5	192	8.7	47.7	AN
7/22/2010 7:00	12	2.4	5.4	192	11.4	52.5	AN
7/22/2010 8:00	22	2.5	5.6	190	15.2	59.4	AN
7/22/2010 9:00	17	3.3	7.4	194	18.2	64.8	AN
7/22/2010 10:00	14	3.0	6.7	188	20.7	69.3	AN
7/22/2010 11:00	14	3.0	6.7	251	22.6	72.7	AN
7/22/2010 12:00	12	3.4	7.6	269	23.6	74.5	AN
7/22/2010 13:00	5	2.6	5.8	247	24.7	76.5	AN
7/22/2010 14:00	22	1.7	3.8	185	25.7	78.3	AN
7/22/2010 15:00	13	1.8	4.0	134	24.9	76.8	AN
7/22/2010 16:00	19	2.2	4.9	234	24.3	75.7	AN
7/22/2010 17:00	3	1.4	3.1	209	23.8	74.8	AN
7/22/2010 18:00	15	1.5	3.4	267	25.1	77.2	AN
7/22/2010 19:00	16	1.9	4.3	330	24.0	75.2	AN
7/22/2010 20:00	-1	1.4	3.1	321	20.5	68.9	AN
7/22/2010 21:00	7	1.2	2.7	330	17.0	62.6	AN
7/22/2010 22:00	5	0.8	1.8	278	14.9	58.8	AN
7/22/2010 23:00	6	1.0	2.2	264	15.7	60.3	AN
7/23/2010 0:00	15	1.1	2.5	259	14.5	58.1	AN
7/23/2010 1:00	7	1.0	2.2	266	11.6	52.9	AN
7/23/2010 2:00	16	0.8	1.8	207	11.0	51.8	AN
7/23/2010 3:00	11	1.4	3.1	199	11.9	53.4	AN
7/23/2010 4:00	25	1.5	3.4	222	13.7	56.7	AN
7/23/2010 5:00	17	1.7	3.8	269	11.9	53.4	AN
7/23/2010 6:00	16	1.7	3.8	247	12.7	54.9	AN
7/23/2010 7:00	11	2.3	5.1	240	13.6	56.5	AN
7/23/2010 8:00	22	2.8	6.3	252	16.5	61.7	AN
7/23/2010 9:00	13	3.1	6.9	259	17.4	63.3	AN
7/23/2010 10:00	11	2.7	6.0	301	19.3	66.7	AN
7/23/2010 11:00	11	2.1	4.7	252	19.7	67.5	AN
7/23/2010 12:00	21	1.4	3.1	69	21.4	70.5	AN
7/23/2010 13:00	9	1.6	3.6	35	22.5	72.5	AN
7/23/2010 14:00	7	1.8	4.0	17	23.4	74.1	AN
7/23/2010 15:00	10	1.8	4.0	21	23.8	74.8	AN
7/23/2010 16:00	6	1.9	4.3	9	24.1	75.4	AN
7/23/2010 17:00	5	1.8	4.0	8	24.0	75.2	AN
7/23/2010 18:00	-3	1.9	4.3	359	23.3	73.9	AN
7/23/2010 19:00	4	1.7	3.8	349	22.3	72.1	AN
7/23/2010 20:00	8	0.8	1.8	346	20.1	68.2	AN
7/23/2010 21:00	8	0.8	1.8	306	14.4	57.9	AN
7/23/2010 22:00	5	0.6	1.3	265	11.6	52.9	AN
7/23/2010 23:00	5	0.6	1.3	252	9.3	48.7	AN
7/24/2010 0:00	43	0.5	1.1	194	8.5	47.3	AN
7/24/2010 1:00	2	1.1	2.5	151	9.1	48.4	AN
7/24/2010 2:00	19	1.3	2.9	159	8.8	47.8	AN
7/24/2010 3:00	4	1.4	3.1	162	8.1	46.6	AN
7/24/2010 4:00	9	1.1	2.5	175	7.8	46.0	AN
7/24/2010 5:00	13	1.0	2.2	150	7.4	45.3	AN
7/24/2010 6:00	-5	1.2	2.7	203	7.3	45.1	AN
7/24/2010 7:00	18	1.2	2.7	193	10.5	50.9	AN
7/24/2010 8:00	14	1.5	3.4	200	14.8	58.6	AN

Date & Time Mountain Standard Time (data for hour ending)	PM10 Hourly (µg/m3)	Wind Speed Hourly (meters per second)	Wind Speed Hourly (miles per hour)	Wind Direction Hourly (degrees true)	Air Temperature Hourly (Celsius)	Air Temperature Hourly (Fahrenheit)	Relative Humidity Hourly (percent)
7/24/2010 9:00	18	1.1	2.5	195	17.9	64.2	AN
7/24/2010 10:00	15	1.0	2.2	106	20.7	69.3	AN
7/24/2010 11:00	13	1.5	3.4	351	21.8	71.2	AN
7/24/2010 12:00	13	1.8	4.0	353	23.3	73.9	AN
7/24/2010 13:00	8	1.7	3.8	2	25.1	77.2	AN
7/24/2010 14:00	13	2.0	4.5	0	26.7	80.1	AN
7/24/2010 15:00	15	2.0	4.5	353	27.7	81.9	AN
7/24/2010 16:00	3	1.9	4.3	357	27.9	82.2	AN
7/24/2010 17:00	1	2.2	4.9	351	27.7	81.9	AN
7/24/2010 18:00	2	2.2	4.9	349	27.1	80.8	AN
7/24/2010 19:00	14	1.5	3.4	349	26.3	79.3	AN
7/24/2010 20:00	3	0.8	1.8	347	23.3	73.9	AN
7/24/2010 21:00	-4	0.7	1.6	281	16.8	62.2	AN
7/24/2010 22:00	-1	1.1	2.5	273	12.6	54.7	AN
7/24/2010 23:00	4	0.8	1.8	168	12.7	54.9	AN
7/25/2010 0:00	7	0.9	2.0	147	11.9	53.4	AN
7/25/2010 1:00	20	1.3	2.9	145	11.8	53.2	AN
7/25/2010 2:00	16	1.1	2.5	149	10.9	51.6	AN
7/25/2010 3:00	7	1.4	3.1	199	11.0	51.8	AN
7/25/2010 4:00	11	1.4	3.1	179	10.9	51.6	AN
7/25/2010 5:00	7	1.2	2.7	176	9.5	49.1	AN
7/25/2010 6:00	8	1.6	3.6	187	10.3	50.5	AN
7/25/2010 7:00	8	1.8	4.0	195	13.2	55.8	AN
7/25/2010 8:00	22	1.3	2.9	207	17.7	63.9	AN
7/25/2010 9:00	16	1.1	2.5	266	20.7	69.3	AN
7/25/2010 10:00	9	1.0	2.2	7	22.9	73.2	AN
7/25/2010 11:00	16	1.5	3.4	359	24.7	76.5	AN
7/25/2010 12:00	8	1.7	3.8	3	26.7	80.1	AN
7/25/2010 13:00	7	1.4	3.1	35	28.9	84.0	AN
7/25/2010 14:00	7	1.4	3.1	107	30.7	87.3	AN
7/25/2010 15:00	4	1.5	3.4	31	31.1	88.0	AN
7/25/2010 16:00	1	2.5	5.6	341	31.0	87.8	AN
7/25/2010 17:00	1	1.7	3.8	359	31.0	87.8	AN
7/25/2010 18:00	8	1.5	3.4	10	30.6	87.1	AN
7/25/2010 19:00	3	1.1	2.5	14	29.0	84.2	AN
7/25/2010 20:00	-2	0.6	1.3	26	24.5	76.1	AN
7/25/2010 21:00	-5	0.6	1.3	338	18.2	64.8	AN
7/25/2010 22:00	6	0.9	2.0	215	13.8	56.8	AN
7/25/2010 23:00	15	1.3	2.9	147	15.1	59.2	AN
7/26/2010 0:00	30	1.0	2.2	148	14.0	57.2	AN
7/26/2010 1:00	19	1.5	3.4	193	14.3	57.7	AN
7/26/2010 2:00	13	1.2	2.7	183	13.5	56.3	AN
7/26/2010 3:00	20	1.2	2.7	178	12.5	54.5	AN
7/26/2010 4:00	22	1.2	2.7	190	12.0	53.6	AN
7/26/2010 5:00	19	1.4	3.1	183	11.7	53.1	AN
7/26/2010 6:00	18	1.0	2.2	195	10.4	50.7	AN
7/26/2010 7:00	21	1.0	2.2	173	12.2	54.0	AN
7/26/2010 8:00	36	1.4	3.1	201	16.5	61.7	AN
7/26/2010 9:00	28	1.4	3.1	193	19.6	67.3	AN
7/26/2010 10:00	27	1.1	2.5	342	18.4	65.1	AN
7/26/2010 11:00	39	0.8	1.8	86	21.6	70.9	AN
7/26/2010 12:00	30	1.2	2.7	330	23.6	74.5	AN
7/26/2010 13:00	30	1.4	3.1	349	22.8	73.0	AN
7/26/2010 14:00	19	1.0	2.2	345	22.0	71.6	AN
7/26/2010 15:00	33	1.2	2.7	110	24.7	76.5	AN
7/26/2010 16:00	14	2.0	4.5	182	27.3	81.1	AN
7/26/2010 17:00	9	1.6	3.6	188	27.6	81.7	AN
7/26/2010 18:00	2	1.5	3.4	186	25.6	78.1	AN
7/26/2010 19:00	1	1.5	3.4	354	22.7	72.9	AN
7/26/2010 20:00	-5	0.9	2.0	42	20.5	68.9	AN
7/26/2010 21:00	3	1.2	2.7	144	19.0	66.2	AN
7/26/2010 22:00	13	1.2	2.7	148	19.0	66.2	AN
7/26/2010 23:00	8	3.0	6.7	178	16.8	62.2	AN
7/27/2010 0:00	31	1.7	3.8	144	15.3	59.5	AN
7/27/2010 1:00	8	1.2	2.7	243	15.1	59.2	AN
7/27/2010 2:00	12	1.1	2.5	192	14.8	58.6	AN
7/27/2010 3:00	10	1.2	2.7	185	14.7	58.5	AN
7/27/2010 4:00	17	1.0	2.2	267	13.8	56.8	AN
7/27/2010 5:00	6	1.0	2.2	165	13.9	57.0	AN
7/27/2010 6:00	-5	0.9	2.0	35	13.4	56.1	AN
7/27/2010 7:00	27	0.8	1.8	134	14.0	57.2	AN
7/27/2010 8:00	2	0.5	1.1	70	15.2	59.4	AN
7/27/2010 9:00	15	0.9	2.0	336	15.8	60.4	AN
7/27/2010 10:00	-4	2.2	4.9	348	16.2	61.2	AN
7/27/2010 11:00	27	1.4	3.1	16	15.5	59.9	AN
7/27/2010 12:00	-2	1.5	3.4	4	15.9	60.6	AN
7/27/2010 13:00	-4	1.0	2.2	1	15.6	60.1	AN
7/27/2010 14:00	16	0.9	2.0	17	14.8	58.6	AN
7/27/2010 15:00	12	1.3	2.9	353	16.3	61.3	AN
7/27/2010 16:00	19	1.5	3.4	309	18.0	64.4	AN
7/27/2010 17:00	2	0.9	2.0	6	18.6	65.5	AN

Date & Time Mountain Standard Time (data for hour ending)	PM10 Hourly (µg/m3)	Wind Speed Hourly (meters per second)	Wind Speed Hourly (miles per hour)	Wind Direction Hourly (degrees true)	Air Temperature Hourly (Celsius)	Air Temperature Hourly (Fahrenheit)	Relative Humidity Hourly (percent)
7/27/2010 18:00	13	1.4	3.1	346	19.5	67.1	AN
7/27/2010 19:00	5	1.1	2.5	357	19.4	66.9	AN
7/27/2010 20:00	14	0.6	1.3	303	15.8	60.4	AN
7/27/2010 21:00	-5	0.4	0.9	36	13.7	56.7	AN
7/27/2010 22:00	16	1.0	2.2	296	14.0	57.2	AN
7/27/2010 23:00	-2	0.5	1.1	144	13.5	56.3	AN
7/28/2010 0:00	18	1.1	2.5	182	12.7	54.9	AN
7/28/2010 1:00	-3	1.3	2.9	192	12.6	54.7	AN
7/28/2010 2:00	24	1.1	2.5	248	12.0	53.6	AN
7/28/2010 3:00	-5	0.6	1.3	29	10.6	51.1	AN
7/28/2010 4:00	14	1.1	2.5	163	11.1	52.0	AN
7/28/2010 5:00	25	1.4	3.1	188	11.5	52.7	AN
7/28/2010 6:00	-4	1.2	2.7	160	11.8	53.2	AN
7/28/2010 7:00	18	1.2	2.7	164	14.1	57.4	AN
7/28/2010 8:00	15	2.1	4.7	201	17.4	63.3	AN
7/28/2010 9:00	14	2.1	4.7	202	20.7	69.3	AN
7/28/2010 10:00	18	2.1	4.7	186	23.1	73.6	AN
7/28/2010 11:00	6	2.2	4.9	179	25.2	77.4	AN
7/28/2010 12:00	23	2.3	5.1	127	26.6	79.9	AN
7/28/2010 13:00	16	1.7	3.8	56	28.0	82.4	AN
7/28/2010 14:00	9	1.4	3.1	24	28.0	82.4	AN
7/28/2010 15:00	-1	1.8	4.0	353	26.9	80.4	AN
7/28/2010 16:00	5	1.7	3.8	312	24.6	76.3	AN
7/28/2010 17:00	9	3.1	6.9	235	23.4	74.1	AN
7/28/2010 18:00	12	1.4	3.1	347	22.8	73.0	AN
7/28/2010 19:00	9	1.4	3.1	324	22.7	72.9	AN
7/28/2010 20:00	8	1.5	3.4	313	19.2	66.6	AN
7/28/2010 21:00	-5	0.9	2.0	231	16.1	61.0	AN
7/28/2010 22:00	-3	1.0	2.2	164	15.0	59.0	AN
7/28/2010 23:00	6	1.3	2.9	170	15.8	60.4	AN
7/29/2010 0:00	12	1.4	3.1	214	15.0	59.0	AN
7/29/2010 1:00	4	1.0	2.2	252	14.0	57.2	AN
7/29/2010 2:00	3	1.0	2.2	51	13.0	55.4	AN
7/29/2010 3:00	1	0.8	1.8	302	11.6	52.9	AN
7/29/2010 4:00	8	0.6	1.3	39	10.1	50.2	AN
7/29/2010 5:00	22	0.6	1.3	295	8.5	47.3	AN
7/29/2010 6:00	-1	0.4	0.9	282	7.9	46.2	AN
7/29/2010 7:00	22	0.6	1.3	309	10.9	51.6	AN
7/29/2010 8:00	8	1.3	2.9	192	18.9	66.0	AN
7/29/2010 9:00	16	2.6	5.8	217	22.6	72.7	AN
7/29/2010 10:00	11	3.2	7.2	204	24.2	75.6	AN
7/29/2010 11:00	15	2.5	5.6	219	25.7	78.3	AN
7/29/2010 12:00	11	3.0	6.7	263	27.1	80.8	AN
7/29/2010 13:00	9	4.0	8.9	297	27.8	82.0	AN
7/29/2010 14:00	5	4.4	9.8	296	28.3	82.9	AN
7/29/2010 15:00	10	4.6	10.3	296	28.5	83.3	AN
7/29/2010 16:00	4	4.8	10.7	298	28.4	83.1	AN
7/29/2010 17:00	4	3.9	8.7	299	28.4	83.1	AN
7/29/2010 18:00	7	3.4	7.6	293	27.7	81.9	AN
7/29/2010 19:00	-2	1.9	4.3	315	26.1	79.0	AN
7/29/2010 20:00	4	0.9	2.0	336	22.6	72.7	AN
7/29/2010 21:00	-5	1.2	2.7	327	15.7	60.3	AN
7/29/2010 22:00	-2	0.7	1.6	228	13.3	55.9	AN
7/29/2010 23:00	0	0.7	1.6	162	12.5	54.5	AN
7/30/2010 0:00	21	1.1	2.5	138	12.0	53.6	AN
7/30/2010 1:00	15	0.6	1.3	166	10.4	50.7	AN
7/30/2010 2:00	0	1.0	2.2	137	11.2	52.2	AN
7/30/2010 3:00	10	1.1	2.5	152	10.9	51.6	AN
7/30/2010 4:00	8	1.4	3.1	198	11.0	51.8	AN
7/30/2010 5:00	12	1.0	2.2	162	9.9	49.8	AN
7/30/2010 6:00	-5	0.9	2.0	242	7.0	44.6	AN
7/30/2010 7:00	8	1.4	3.1	181	12.6	54.7	AN
7/30/2010 8:00	24	1.9	4.3	216	16.9	62.4	AN
7/30/2010 9:00	33	1.3	2.9	148	20.7	69.3	AN
7/30/2010 10:00	18	0.9	2.0	192	24.2	75.6	AN
7/30/2010 11:00	16	1.2	2.7	279	26.5	79.7	AN
7/30/2010 12:00	13	1.3	2.9	216	28.5	83.3	AN
7/30/2010 13:00	4	1.5	3.4	126	30.3	86.5	AN
7/30/2010 14:00	13	1.9	4.3	128	31.0	87.8	AN
7/30/2010 15:00	-5	1.5	3.4	46	27.6	81.7	AN
7/30/2010 16:00	10	1.6	3.6	80	26.8	80.2	AN
7/30/2010 17:00	1	1.5	3.4	302	25.9	78.6	AN
7/30/2010 18:00	7	1.3	2.9	282	24.6	76.3	AN
7/30/2010 19:00	13	1.3	2.9	318	23.9	75.0	AN
7/30/2010 20:00	15	0.8	1.8	56	21.7	71.1	AN
7/30/2010 21:00	4	0.7	1.6	90	18.4	65.1	AN
7/30/2010 22:00	10	0.7	1.6	165	16.5	61.7	AN
7/30/2010 23:00	4	1.0	2.2	141	15.4	59.7	AN
7/31/2010 0:00	24	0.9	2.0	147	14.1	57.4	AN
7/31/2010 1:00	3	1.3	2.9	181	13.7	56.7	AN

Date & Time Mountain Standard Time (data for hour ending)	PM10 Hourly (µg/m3)	Wind Speed Hourly (meters per second)	Wind Speed Hourly (miles per hour)	Wind Direction Hourly (degrees true)	Air Temperature Hourly (Celsius)	Air Temperature Hourly (Fahrenheit)	Relative Humidity Hourly (percent)
7/31/2010 2:00	12	0.7	1.6	269	11.3	52.3	AN
7/31/2010 3:00	-5	0.9	2.0	251	9.1	48.4	AN
7/31/2010 4:00	18	1.2	2.7	163	9.8	49.6	AN
7/31/2010 5:00	4	1.2	2.7	168	11.0	51.8	AN
7/31/2010 6:00	5	1.8	4.0	152	12.6	54.7	AN
7/31/2010 7:00	13	1.4	3.1	186	15.8	60.4	AN
7/31/2010 8:00	10	1.3	2.9	357	16.4	61.5	AN
7/31/2010 9:00	17	0.9	2.0	342	20.1	68.2	AN
7/31/2010 10:00	12	1.1	2.5	255	23.4	74.1	AN
7/31/2010 11:00	14	1.2	2.7	145	26.4	79.5	AN
7/31/2010 12:00	10	1.6	3.6	203	29.4	84.9	AN
7/31/2010 13:00	4	1.3	2.9	157	28.6	83.5	AN
7/31/2010 14:00	19	4.6	10.3	187	22.2	72.0	AN
7/31/2010 15:00	25	1.7	3.8	130	25.1	77.2	AN
7/31/2010 16:00	18	1.7	3.8	334	26.0	78.8	AN
7/31/2010 17:00	-5	1.6	3.6	82	22.3	72.1	AN
7/31/2010 18:00	16	2.3	5.1	183	22.7	72.9	AN
7/31/2010 19:00	2	2.4	5.4	201	22.3	72.1	AN
7/31/2010 20:00	9	1.8	4.0	157	20.0	68.0	AN
7/31/2010 21:00	10	0.9	2.0	292	15.8	60.4	AN
7/31/2010 22:00	-5	1.0	2.2	345	14.4	57.9	AN
7/31/2010 23:00	35	1.1	2.5	65	15.6	60.1	AN
8/1/2010 0:00	2	0.8	1.8	346	14.6	58.3	AN

AN = Machine malfunction

BA = Routine maintenance / repairs